

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-OCT-2009
Start Time of First Product	23:48:21 (12-Oct)
Stop Time of Last Product	23:24:19
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	GOME unavailable from 18:44:36 to 19:55:28 due to payload synchronisation

1.2 - List of received products

Name	Date	Time
EGOI_091013BEEP0885.E2	13-OCT-2009	03:24:16.168
EGOI_091013KSEP9472.E2	12-OCT-2009	23:48:20.853
EGOI_091013KSEP9487.E2	13-OCT-2009	06:39:12.862
EGOI_091013KSEP9508.E2	13-OCT-2009	08:19:10.475
EGOI_091013KSEP9531.E2	13-OCT-2009	09:58:48.585
EGOI_091013KSEP9556.E2	13-OCT-2009	11:38:25.188
EGOI_091013KSEP9568.E2	13-OCT-2009	13:17:27.295
EGOI_091013KSEP9577.E2	13-OCT-2009	14:56:11.398
EGOI_091013KSEP9586.E2	13-OCT-2009	16:33:47.997

EGOI_091013KSEP9595.E2	13-OCT-2009	18:11:45.600
EGOI_091013KSEP9627.E2	13-OCT-2009	19:50:07.196
EGOI_091013KSEP9650.E2	13-OCT-2009	21:30:45.314
EGOI_091013KSEP9678.E2	13-OCT-2009	23:14:54.945
EGOI_091013MAEP4801.E2	13-OCT-2009	08:27:31.522
EGOI_091013MAEP4816.E2	13-OCT-2009	10:06:17.128
EGOI_091013MAEP4833.E2	13-OCT-2009	21:23:00.267
EGOI_091013MIEP1330.E2	13-OCT-2009	02:53:38.484
EGOI_091013MIEP1357.E2	13-OCT-2009	04:33:40.595
EGOI_091013MIEP1368.E2	13-OCT-2009	15:13:52.008
EGOI_091013MIEP1374.E2	13-OCT-2009	16:53:10.615
EGOI_091013MSEP0410.E2	13-OCT-2009	10:13:57.671
EGOI_091013MSEP0440.E2	13-OCT-2009	11:51:19.266
EGOI_091013MSEP0450.E2	13-OCT-2009	13:33:12.393
EGOI_091013MSEP0464.E2	13-OCT-2009	21:24:58.779
EGOI_091013MSEP0496.E2	13-OCT-2009	23:00:08.355
EGOI_091013SGEP0393.E2	13-OCT-2009	14:32:12.753
EGOI_091013SGEP0399.E2	13-OCT-2009	16:10:58.356

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75711	13-OCT-2009	06:37:19.703	06:39:12.862	113.15900
KS	75712	13-OCT-2009	08:16:36.625	08:19:10.474	153.84900
KS	75713	13-OCT-2009	09:56:14.071	09:58:48.585	154.51400
KS	75714	13-OCT-2009	11:35:45.444	11:38:25.187	159.74300
KS	75715	13-OCT-2009	13:14:53.003	13:17:27.295	154.29200
KS	75716	13-OCT-2009	14:53:31.290	14:56:11.397	160.10700
KS	75717	13-OCT-2009	16:31:09.097	16:33:47.996	158.89900
KS	75718	13-OCT-2009	18:08:58.101	18:11:45.599	167.49800
KS	75719	13-OCT-2009	19:47:55.183	19:50:07.196	132.01300
KS	75720	13-OCT-2009	21:28:38.602	21:30:45.313	126.71100
KS	75721	13-OCT-2009	23:11:51.264	23:14:54.945	183.68100
MS	75713	13-OCT-2009	10:11:18.487	10:13:57.670	159.18300
MS	75714	13-OCT-2009	11:48:38.213	11:51:19.265	161.05200
MS	75721	13-OCT-2009	22:57:55.166	23:00:08.355	133.18900
MA	75712	13-OCT-2009	08:25:36.265	08:27:31.521	115.25600
MA	75713	13-OCT-2009	10:04:17.073	10:06:17.128	120.05500
MA	75720	13-OCT-2009	21:20:18.113	21:23:00.267	162.15400
MI	75709	13-OCT-2009	02:51:12.201	02:53:38.483	146.28200

MI	75710	13-OCT-2009	04:31:19.732	04:33:40.594	140.86200
MI	75716	13-OCT-2009	15:11:26.342	15:13:52.008	145.66600
MI	75717	13-OCT-2009	16:50:41.975	16:53:10.614	148.63900
BE	75709	13-OCT-2009	03:21:37.644	03:24:16.168	158.52400
SG	75715	13-OCT-2009	14:29:21.921	14:32:12.753	170.83200
SG	75716	13-OCT-2009	16:07:51.480	16:10:58.355	186.87500

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75707	13-OCT-2009	00:23:24.213	00:38:02.354	878.14100
MM	75707	13-OCT-2009	00:35:07.264	00:46:04.017	656.75300
BE	75708	13-OCT-2009	01:43:12.878	01:53:46.465	633.58700
HO	75708	13-OCT-2009	02:07:51.850	02:13:39.959	348.10900
MM	75708	13-OCT-2009	02:17:31.901	02:26:23.568	531.66700
GS	75708	13-OCT-2009	01:18:14.766	01:29:21.534	666.76800
MM	75709	13-OCT-2009	04:00:36.263	04:07:10.547	394.28400
GS	75709	13-OCT-2009	02:55:33.867	03:09:29.869	836.00200
SG	75709	13-OCT-2009	03:32:34.727	03:46:26.832	832.10500
CM	75709	13-OCT-2009	02:52:14.011	03:00:18.993	484.98200
CM	75709	13-OCT-2009	04:29:10.262	04:41:12.739	722.47700
MM	75710	13-OCT-2009	05:43:11.039	05:49:02.375	351.33600
GS	75710	13-OCT-2009	04:37:46.987	04:47:36.325	589.33800
MM	75711	13-OCT-2009	07:24:26.599	07:32:02.075	455.47600
JO	75711	13-OCT-2009	07:03:36.815	07:15:57.884	741.06900
MM	75712	13-OCT-2009	09:04:57.565	09:14:53.129	595.56400
JO	75712	13-OCT-2009	08:41:22.658	08:56:05.177	882.51900
MM	75713	13-OCT-2009	10:45:09.318	10:56:48.600	699.28200
MM	75714	13-OCT-2009	12:25:07.529	12:37:39.472	751.94300
MA	75714	13-OCT-2009	11:45:54.589	11:52:02.064	367.47500
HO	75715	13-OCT-2009	14:13:43.465	14:26:38.784	775.31900
MM	75715	13-OCT-2009	14:04:51.463	14:17:35.314	763.85100
BE	75716	13-OCT-2009	14:38:27.167	14:51:30.357	783.19000
MM	75716	13-OCT-2009	15:44:19.300	15:56:55.670	756.37000
GS	75716	13-OCT-2009	15:05:11.097	15:18:13.916	782.81900
CM	75716	13-OCT-2009	15:15:43.619	15:23:48.356	484.73700

MM	75717	13-OCT-2009	17:23:32.295	17:36:03.877	751.58200
GS	75717	13-OCT-2009	16:44:30.651	16:57:46.849	796.19800
CM	75717	13-OCT-2009	16:53:07.823	17:05:05.451	717.62800
MM	75718	13-OCT-2009	19:02:40.714	19:15:18.686	757.97200
JO	75718	13-OCT-2009	19:23:40.545	19:34:38.892	658.34700
MM	75719	13-OCT-2009	20:42:04.903	20:54:48.852	763.94900
MA	75719	13-OCT-2009	19:41:33.373	19:53:48.578	735.20500
JO	75719	13-OCT-2009	21:01:17.581	21:16:12.159	894.57800
HO	75720	13-OCT-2009	22:15:19.633	22:26:43.827	684.19400
MM	75720	13-OCT-2009	22:22:08.274	22:34:35.123	746.84900
JO	75720	13-OCT-2009	22:43:41.015	22:50:33.590	412.57500
HO	75721	13-OCT-2009	23:52:19.124	00:06:48.353	869.22900

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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	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

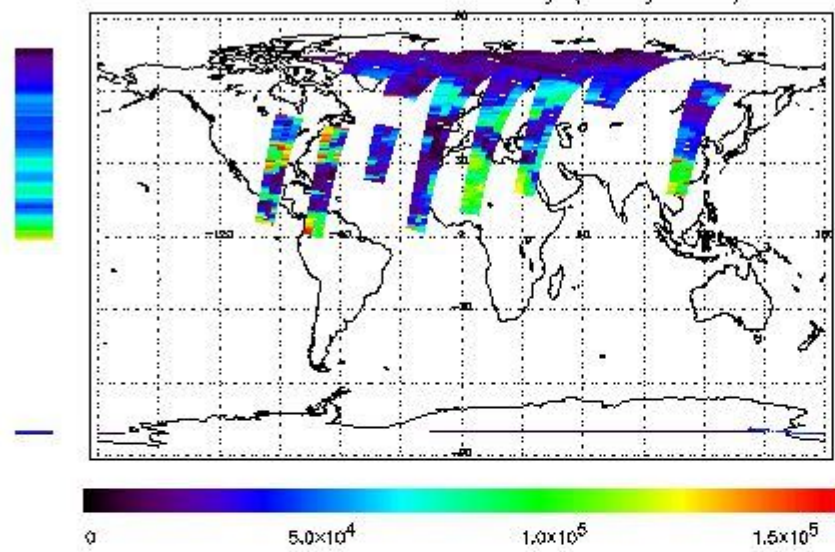
2.2 - Daily Plots

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

First Product : 12-OCT-2009 23:48:20.853 : ORBIT : 75707.1839
 Last Product : 13-OCT-2009 23:24:19.007 : ORBIT : 75721.2593
 Total Products Processed : 12834 Day : 286 Page : 21

778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

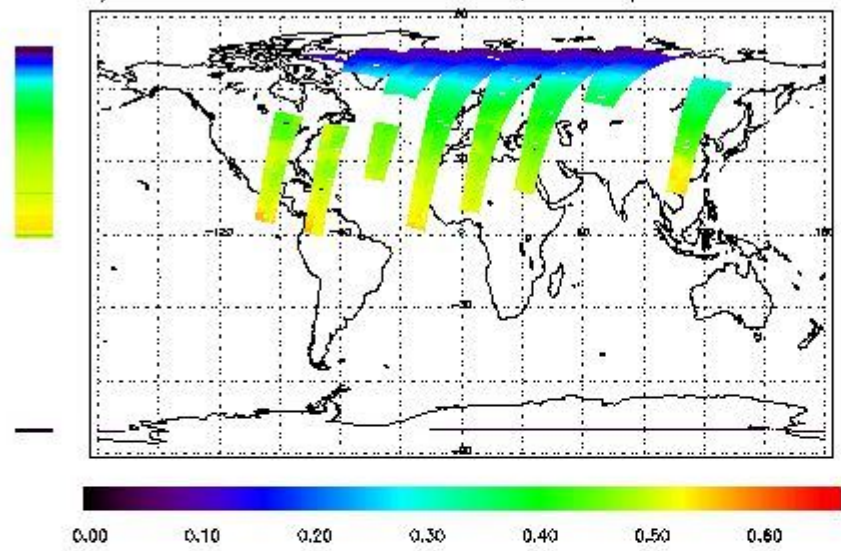
First Product : 12-OCT-2009 23:48:20.853 : ORBIT : 75707.1839

Last Product : 13-OCT-2009 23:24:19.007 : ORBIT : 75721.2593

Total Products Processed : 12834 Day : 286

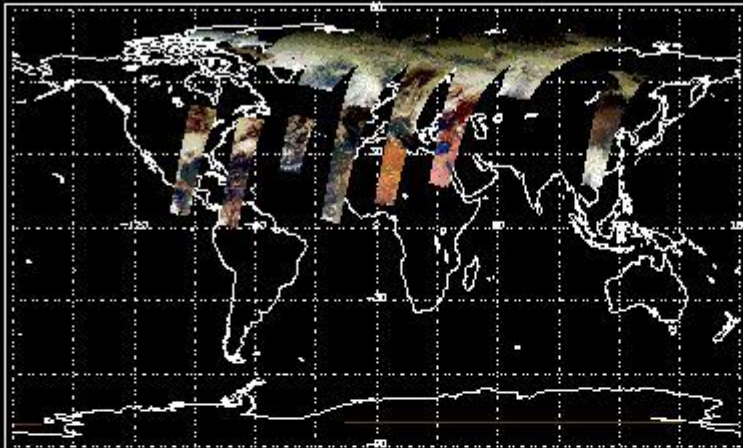
Page : 20

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	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	16:41:58.544	--	75717	Yes	--	15304

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any) (V)	Lamp Failure N. (if any)
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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

[Additional Info](#)

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
--	--	--

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 05-Sep	--	75164	--

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(1) The 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