

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-Oct-2009
Start Time of First Product	00:33:02
Stop Time of Last Product	22:44:29
Number of EGOI Products analysed	20
Number of corrupted products	--
Anomalies and/or Special Operations	Some products are missing due to a data dissemination (ISS) problem in Esrin

1.2 - List of received products

Name	Date	Time
EGOI_091027KSEP3337.E2	27-OCT-2009	07:38:53.924
EGOI_091027KSEP3361.E2	27-OCT-2009	09:18:54.543
EGOI_091027KSEP3388.E2	27-OCT-2009	10:58:32.650
EGOI_091027KSEP3416.E2	27-OCT-2009	12:37:51.263
EGOI_091027KSEP3429.E2	27-OCT-2009	14:16:47.374
EGOI_091027KSEP3447.E2	27-OCT-2009	15:54:35.977
EGOI_091027KSEP3472.E2	27-OCT-2009	17:32:32.076
EGOI_091027KSEP3503.E2	27-OCT-2009	19:10:20.675
EGOI_091027KSEP3533.E2	27-OCT-2009	20:50:07.790

EGOI_091027KSEP3560.E2	27-OCT-2009	22:32:11.421
EGOI_091027MAEP5339.E2	27-OCT-2009	09:26:12.579
EGOI_091027MAEP5350.E2	27-OCT-2009	11:06:11.697
EGOI_091027MIEP2591.E2	27-OCT-2009	02:15:33.945
EGOI_091027MIEP2628.E2	27-OCT-2009	14:35:53.491
EGOI_091027MIEP2656.E2	27-OCT-2009	16:12:52.587
EGOI_091027MIEP2673.E2	27-OCT-2009	17:56:09.717
EGOI_091027MSEP1994.E2	27-OCT-2009	00:33:01.809
EGOI_091027MSEP2018.E2	27-OCT-2009	11:11:44.732
EGOI_091027MSEP2043.E2	27-OCT-2009	12:51:37.849
EGOI_091027MSEP2074.E2	27-OCT-2009	22:21:00.850
EGOI_091027SGEP0763.E2	27-OCT-2009	13:54:51.741

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75912	27-OCT-2009	07:36:48.595	07:38:53.923	125.32800
KS	75913	27-OCT-2009	09:16:22.841	09:18:54.543	151.70200
KS	75914	27-OCT-2009	10:55:58.706	10:58:32.650	153.94400
KS	75915	27-OCT-2009	12:35:18.101	12:37:51.262	153.16100
KS	75916	27-OCT-2009	14:14:09.877	14:16:47.373	157.49600
KS	75917	27-OCT-2009	15:52:00.776	15:54:35.976	155.20000
KS	75918	27-OCT-2009	17:29:55.436	17:32:32.075	156.63900
KS	75919	27-OCT-2009	19:08:09.683	19:10:20.674	130.99100
KS	75920	27-OCT-2009	20:48:06.113	20:50:07.789	121.67600
KS	75921	27-OCT-2009	22:30:12.246	22:32:11.420	119.17400
MS	75908	27-OCT-2009	00:31:01.767	00:33:01.809	120.04200
MS	75914	27-OCT-2009	11:09:05.065	11:11:44.731	159.66600
MS	75915	27-OCT-2009	12:49:04.845	12:51:37.849	153.00400
MS	75921	27-OCT-2009	22:18:57.671	22:21:00.849	123.17800
MA	75913	27-OCT-2009	09:24:32.319	09:26:12.579	100.26000
MA	75914	27-OCT-2009	11:04:58.449	11:06:11.696	73.247000
MI	75909	27-OCT-2009	02:13:12.135	02:15:33.945	141.81000
MI	75916	27-OCT-2009	14:33:37.237	14:35:53.491	136.25400
MI	75917	27-OCT-2009	16:10:27.784	16:12:52.587	144.80300
MI	75918	27-OCT-2009	17:53:58.535	17:56:09.717	131.18200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	75907	26-OCT-2009	23:54:26.978	00:06:00.622	693.64400
HO	75908	27-OCT-2009	01:24:35.964	01:36:51.812	735.84800
MM	75908	27-OCT-2009	01:36:27.089	01:46:13.553	586.46400
GS	75908	27-OCT-2009	00:40:47.639	00:48:39.812	472.17300
BE	75909	27-OCT-2009	02:41:53.105	02:55:09.467	796.36200
MM	75909	27-OCT-2009	03:19:21.108	03:26:46.708	445.60000
GS	75909	27-OCT-2009	02:16:48.933	02:29:37.764	768.83100
SG	75909	27-OCT-2009	02:53:18.266	03:06:25.055	786.78900
CM	75909	27-OCT-2009	03:49:22.528	04:01:38.355	735.82700
BE	75910	27-OCT-2009	04:21:57.052	04:32:55.758	658.70600
MM	75910	27-OCT-2009	05:02:18.263	05:08:07.092	348.82900
MI	75910	27-OCT-2009	03:50:25.778	04:03:33.318	787.54000
GS	75910	27-OCT-2009	03:56:08.240	04:08:45.840	757.60000
SG	75910	27-OCT-2009	04:33:31.444	04:44:22.062	650.61800
MM	75911	27-OCT-2009	06:44:04.230	06:50:46.738	402.50800
KS	75911	27-OCT-2009	05:58:10.510	06:02:58.016	287.50600
CM	75911	27-OCT-2009	05:31:59.633	05:37:52.291	352.65800
JO	75911	27-OCT-2009	06:26:56.999	06:34:15.820	438.82100
MM	75912	27-OCT-2009	08:24:48.257	08:33:49.879	541.62200
JO	75912	27-OCT-2009	08:01:32.545	08:16:28.823	896.27800
MM	75913	27-OCT-2009	10:05:06.323	10:16:10.214	663.89100
JO	75913	27-OCT-2009	09:43:15.595	09:53:58.612	643.01700
HO	75914	27-OCT-2009	11:54:36.305	12:07:41.221	784.91600
MM	75914	27-OCT-2009	11:45:09.856	11:57:26.539	736.68300
HO	75915	27-OCT-2009	13:33:31.637	13:48:11.179	879.54200
MM	75915	27-OCT-2009	13:24:59.726	13:37:42.481	762.75500
BE	75916	27-OCT-2009	13:58:29.206	14:11:52.264	803.05800
HO	75916	27-OCT-2009	15:14:42.018	15:22:49.044	487.02600
MM	75916	27-OCT-2009	15:04:34.166	15:17:14.287	760.12100
GS	75916	27-OCT-2009	14:26:08.553	14:36:54.929	646.37600
SG	75916	27-OCT-2009	15:27:38.350	15:41:31.414	833.06400
BE	75917	27-OCT-2009	15:40:21.416	15:49:50.674	569.25800
MM	75917	27-OCT-2009	16:43:52.461	16:56:24.638	752.17700
GS	75917	27-OCT-2009	16:04:34.886	16:18:29.906	835.02000
CM	75917	27-OCT-2009	16:13:18.472	16:25:37.210	738.73800

MM	75918	27-OCT-2009	18:23:00.783	18:35:35.196	754.41300
GS	75918	27-OCT-2009	17:44:53.901	17:55:20.337	626.43600
CM	75918	27-OCT-2009	17:55:12.657	18:01:19.001	366.34400
MM	75919	27-OCT-2009	20:02:15.791	20:14:58.765	762.97400
MA	75919	27-OCT-2009	19:05:58.017	19:12:57.324	419.30700
JO	75919	27-OCT-2009	20:21:39.428	20:36:24.912	885.48400
MM	75920	27-OCT-2009	21:42:00.884	21:54:38.816	757.93200
MA	75920	27-OCT-2009	20:40:04.379	20:53:45.584	821.20500
JO	75920	27-OCT-2009	22:01:51.686	22:14:02.752	731.06600
HO	75921	27-OCT-2009	23:12:57.423	23:26:55.894	838.47100
MM	75921	27-OCT-2009	23:22:37.035	23:34:33.740	716.70500
MA	75921	27-OCT-2009	22:23:31.554	22:31:48.059	496.50500
MS	75922	27-OCT-2009	23:58:14.330	00:10:28.139	733.80900

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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 Temperatures B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK

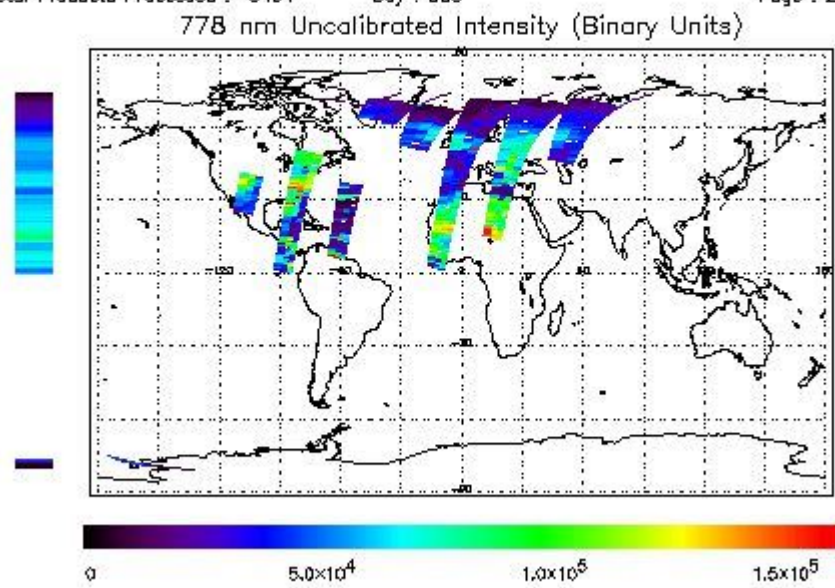
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm 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 : 27-OCT-2009 00:33:01.809 : ORBIT : 75908.0281
 Last Product : 27-OCT-2009 22:44:29.491 : ORBIT : 75921.2634
 Total Products Processed : 9494 Day : 300 Page : 21

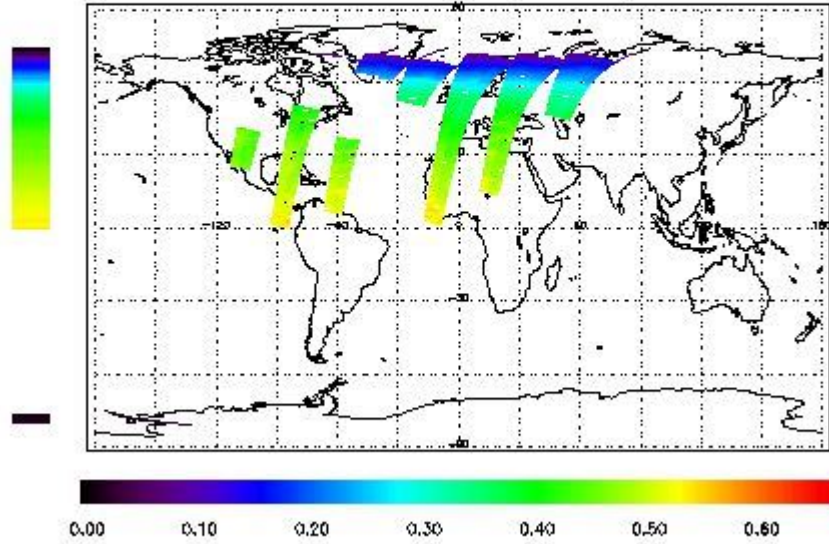


Ozone Line Ratio

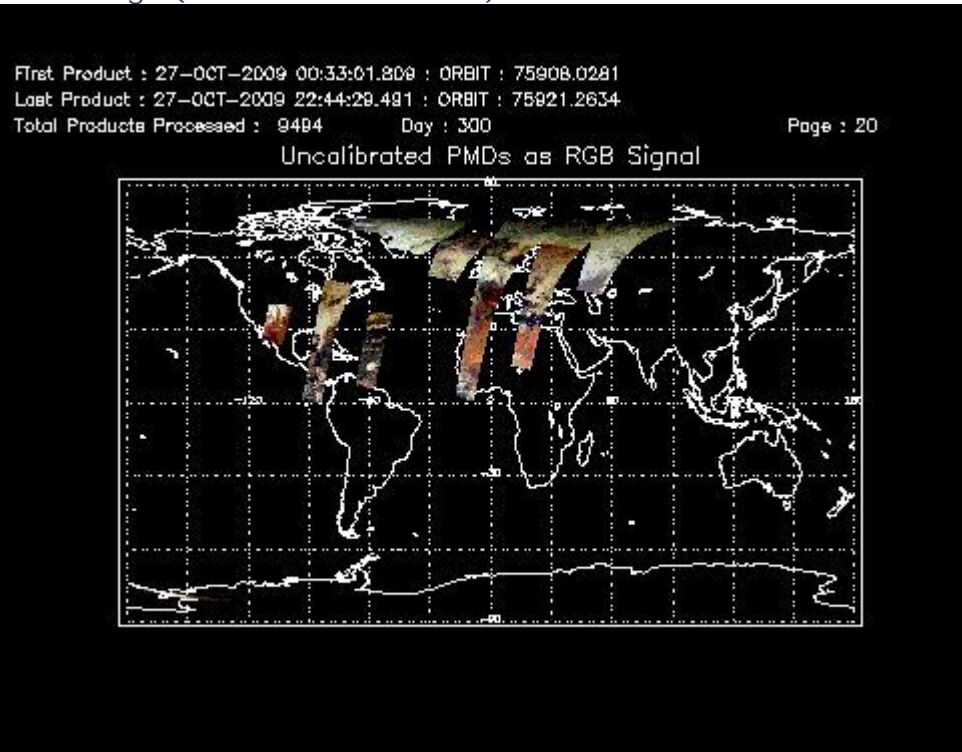
First Product : 27-OCT-2009 00:33:01.809 : ORBIT : 75908.0281
 Last Product : 27-OCT-2009 22:44:29.481 : ORBIT : 75921.2634
 Total Products Processed : 9484 Day : 300

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)



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	12:41:58.790	--	75915	Yes	--	15482

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
--	--	--	--	--	--

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
--	--	--	--	--

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
--	--	--	--	--

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
--	--	--	--

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