

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	09-JAN-2010
Start Time of First Product	23:49:30 (09-Jan)
Stop Time of Last Product	23:26:55
Number of EGOI Products analysed	27
Number of corrupted products	1
Anomalies and/or Special Operations	long science dump over GS, orbit 76985, time interval: 06:24:26-06:31:27

1.2 - List of received products

Name	Date	Time
OI_100110BEEP1608.E2;1	10-JAN-2010	03:26:53.928
EGOI_100110GSEP6987.E2	10-JAN-2010	01:23:08.164
EGOI_100110GSEP7016.E2	10-JAN-2010	03:00:08.764
EGOI_100110GSEP7043.E2	10-JAN-2010	04:42:34.898
EGOI_100110GSEP7050.E2	10-JAN-2010	06:24:26.526
EGOI_100110KSEP4813.E2	09-JAN-2010	23:49:30.087
EGOI_100110KSEP4830.E2	10-JAN-2010	06:41:50.626
EGOI_100110KSEP4851.E2	10-JAN-2010	08:21:46.747
EGOI_100110KSEP4873.E2	10-JAN-2010	10:01:26.361

EGOI_100110KSEP4899.E2	10-JAN-2010	11:41:01.477
EGOI_100110KSEP4919.E2	10-JAN-2010	13:20:03.589
EGOI_100110KSEP4932.E2	10-JAN-2010	14:58:44.698
EGOI_100110KSEP4951.E2	10-JAN-2010	16:36:22.792
EGOI_100110KSEP4982.E2	10-JAN-2010	18:14:20.407
EGOI_100110KSEP5017.E2	10-JAN-2010	19:52:48.015
EGOI_100110KSEP5050.E2	10-JAN-2010	21:33:32.139
EGOI_100110KSEP5078.E2	10-JAN-2010	23:16:29.771
EGOI_100110MAEP7714.E2	10-JAN-2010	08:29:43.801
EGOI_100110MAEP7729.E2	10-JAN-2010	10:08:51.908
EGOI_100110MSEP0847.E2	10-JAN-2010	10:16:24.960
EGOI_100110MSEP0877.E2	10-JAN-2010	11:53:57.057
EGOI_100110MSEP0897.E2	10-JAN-2010	13:35:56.189
EGOI_100110MSEP0916.E2	10-JAN-2010	21:27:23.100
EGOI_100110MSEP0948.E2	10-JAN-2010	23:02:40.184
EGOI_100110SGEP2820.E2	10-JAN-2010	02:03:29.411
EGOI_100110SGEP2827.E2	10-JAN-2010	03:37:52.495
EGOI_100110SGEP2833.E2	10-JAN-2010	14:35:04.053
EGOI_100110SGEP2839.E2	10-JAN-2010	16:13:37.662

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	76985	10-JAN-2010	06:40:08.954	06:41:50.626	101.67200
KS	76986	10-JAN-2010	08:19:27.321	08:21:46.747	139.42600
KS	76987	10-JAN-2010	09:59:04.847	10:01:26.361	141.51400
KS	76988	10-JAN-2010	11:38:35.797	11:41:01.476	145.67900
KS	76989	10-JAN-2010	13:17:42.387	13:20:03.588	141.20100
KS	76990	10-JAN-2010	14:56:18.663	14:58:44.698	146.03500
KS	76991	10-JAN-2010	16:33:56.000	16:36:22.791	146.79100
KS	76992	10-JAN-2010	18:11:46.609	18:14:20.407	153.79800
KS	76993	10-JAN-2010	19:50:46.201	19:52:48.014	121.81300
KS	76994	10-JAN-2010	21:31:33.207	21:33:32.138	118.93100
KS	76995	10-JAN-2010	23:14:51.149	23:16:29.770	98.621000
GS	76982	10-JAN-2010	01:20:57.677	01:23:08.163	130.48600
GS	76983	10-JAN-2010	02:58:24.574	03:00:08.763	104.18900
GS	76984	10-JAN-2010	04:40:49.140	04:42:34.898	105.75800
MS	76987	10-JAN-2010	10:14:00.794	10:16:24.960	144.16600
MS	76988	10-JAN-2010	11:51:27.499	11:53:57.056	149.55700
MS	76995	10-JAN-2010	23:00:44.420	23:02:40.183	115.76300

MA	76986	10-JAN-2010	08:28:21.458	08:29:43.801	82.343000
MA	76987	10-JAN-2010	10:07:08.310	10:08:51.908	103.59800
SG	76983	10-JAN-2010	03:35:25.383	03:37:52.495	147.11200
SG	76989	10-JAN-2010	14:32:04.160	14:35:04.053	179.89300
SG	76990	10-JAN-2010	16:10:46.514	16:13:37.662	171.14800

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	76981	10-JAN-2010	00:26:14.533	00:40:52.435	877.90200
MM	76981	10-JAN-2010	00:38:01.976	00:48:55.773	653.79700
BE	76982	10-JAN-2010	01:45:58.003	01:56:45.763	647.76000
MM	76982	10-JAN-2010	02:20:28.258	02:29:15.852	527.59400
MM	76983	10-JAN-2010	04:03:32.958	04:10:04.036	391.07800
MI	76983	10-JAN-2010	02:53:58.185	03:06:41.985	763.80000
CM	76983	10-JAN-2010	02:54:50.711	03:03:19.576	508.86500
CM	76983	10-JAN-2010	04:32:03.570	04:44:00.162	716.59200
MM	76984	10-JAN-2010	05:46:05.677	05:51:58.277	352.60000
MI	76984	10-JAN-2010	04:34:18.596	04:45:06.568	647.97200
MM	76985	10-JAN-2010	07:27:19.337	07:34:58.862	459.52500
JO	76985	10-JAN-2010	07:06:18.730	07:18:53.028	754.29800
MM	76986	10-JAN-2010	09:07:49.541	09:17:48.736	599.19500
JO	76986	10-JAN-2010	08:44:15.557	08:58:53.512	877.95500
MM	76987	10-JAN-2010	10:48:00.880	10:59:42.365	701.48500
MM	76988	10-JAN-2010	12:27:58.707	12:40:31.471	752.76400
MA	76988	10-JAN-2010	11:48:56.296	11:54:34.571	338.27500
HO	76989	10-JAN-2010	14:16:36.882	14:29:24.322	767.44000
MM	76989	10-JAN-2010	14:07:42.203	14:20:25.994	763.79100
BE	76990	10-JAN-2010	14:41:20.451	14:54:19.236	778.78500
MM	76990	10-JAN-2010	15:47:09.571	15:59:45.679	756.10800
MI	76990	10-JAN-2010	15:14:12.351	15:26:25.703	733.35200
GS	76990	10-JAN-2010	15:07:59.745	15:21:08.561	788.81600
CM	76990	10-JAN-2010	15:18:21.654	15:26:52.078	510.42400
MM	76991	10-JAN-2010	17:26:22.236	17:38:53.857	751.62100
MI	76991	10-JAN-2010	16:53:36.221	17:05:21.031	704.81000
GS	76991	10-JAN-2010	16:47:22.316	17:00:33.617	791.30100

CM	76991	10-JAN-2010	16:56:00.556	17:07:51.868	711.31200
MM	76992	10-JAN-2010	19:05:30.785	19:18:09.030	758.24500
JO	76992	10-JAN-2010	19:26:22.092	19:37:40.451	678.35900
MM	76993	10-JAN-2010	20:44:55.780	20:57:39.674	763.89400
MA	76993	10-JAN-2010	19:44:18.177	19:56:44.564	746.38700
JO	76993	10-JAN-2010	21:04:08.737	21:19:00.572	891.83500
HO	76994	10-JAN-2010	22:18:01.539	22:29:37.366	695.82700
MM	76994	10-JAN-2010	22:25:00.575	22:37:26.374	745.79900
MA	76994	10-JAN-2010	21:23:11.241	21:36:21.204	789.96300
JO	76994	10-JAN-2010	22:46:48.376	22:53:00.619	372.24300
HO	76995	10-JAN-2010	23:55:08.669	00:09:38.961	870.29200

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1.5 - List of corrupted products

Station	Orbit	Time
MA	76986	08:30:00.301

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

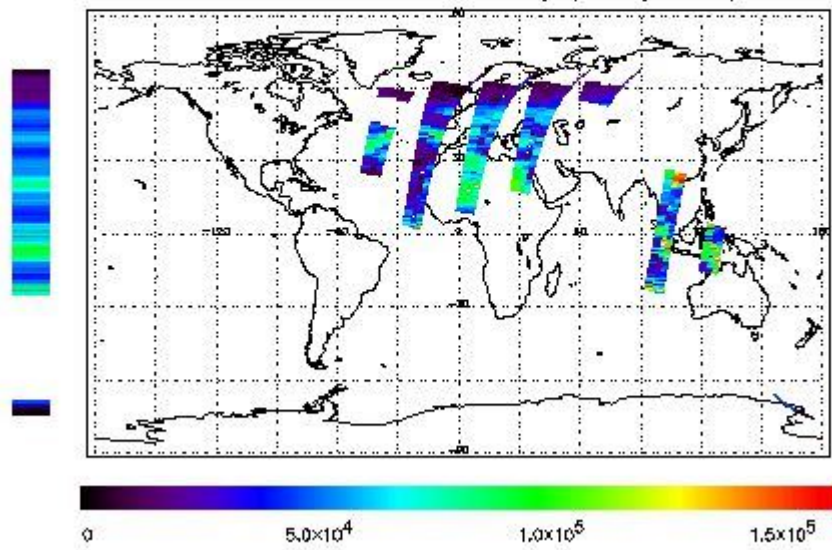
2.2 - Daily Plots

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 : 09-JAN-2010 23:49:30.087 : ORBIT : 76981.1668
 Last Product : 10-JAN-2010 23:26:55.333 : ORBIT : 76995.2568
 Total Products Processed : 12710 Day : 10 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

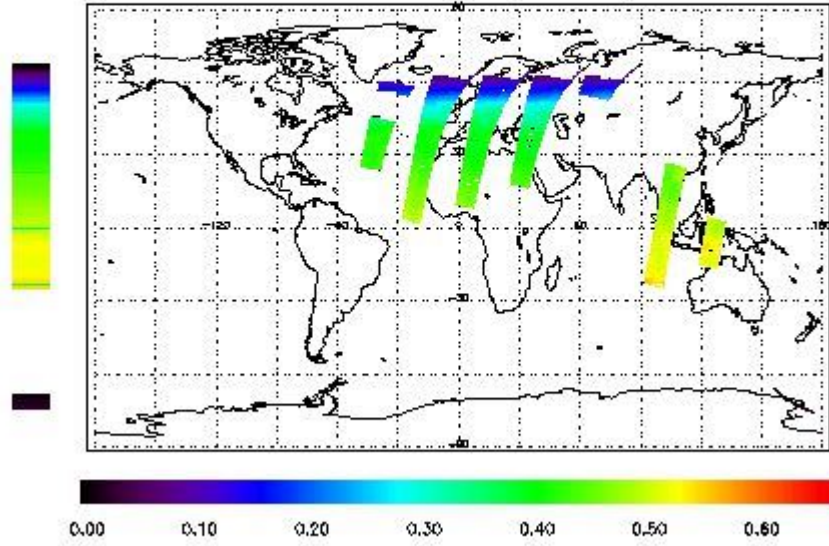


Ozone Line Ratio

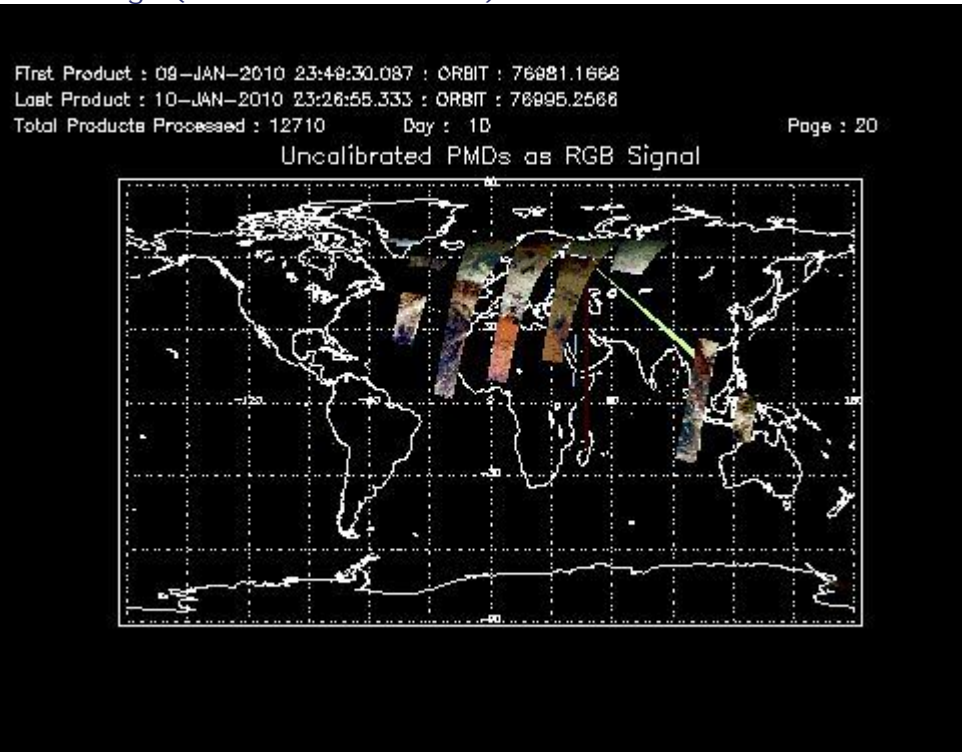
First Product : 09-JAN-2010 23:49:30.087 : ORBIT : 76981.1668
 Last Product : 10-JAN-2010 23:26:55.333 : ORBIT : 76995.2568
 Total Products Processed : 12710 Day : 10

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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	13:27:35.140	--	76989	Yes	--	15279

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
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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
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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