

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-SEP-2009
Start Time of First Product	00:07:40
Stop Time of Last Product	16:38:01
Number of EGOI Products analysed	38
Number of corrupted products	--
Anomalies and/or Special Operations	no solar calibration measurements available due to missing data; no data received since about 17:00 UTC due to a dissemination problem

1.2 - List of received products

Name	Date	Time
EGOI_090928BEEP0765.E2	28-SEP-2009	02:55:54.316
EGOI_090928GSEP9494.E2	28-SEP-2009	00:53:01.070
EGOI_090928GSEP9526.E2	28-SEP-2009	02:29:12.156
EGOI_090928GSEP9551.E2	28-SEP-2009	04:09:59.269
EGOI_090928GSEP9558.E2	28-SEP-2009	05:52:20.894
EGOI_090928KSEP5409.E2	28-SEP-2009	06:10:54.003
EGOI_090928KSEP5440.E2	28-SEP-2009	07:50:47.119
EGOI_090928KSEP5465.E2	28-SEP-2009	09:30:22.226
EGOI_090928KSEP5499.E2	28-SEP-2009	11:09:58.836

EGOI_090928KSEP5531.E2	28-SEP-2009	12:49:12.940
EGOI_090928KSEP5543.E2	28-SEP-2009	14:28:06.046
EGOI_090928KSEP5558.E2	28-SEP-2009	16:05:48.641
EGOI_090928MAEP4324.E2	28-SEP-2009	09:38:04.273
EGOI_090928MIEP0008.E2	28-SEP-2009	04:05:09.742
EGOI_090928MIEP0034.E2	28-SEP-2009	16:24:24.755
EGOI_090928MIEP9987.E2	28-SEP-2009	02:26:22.640
EGOI_090928MMEP8788.E2	28-SEP-2009	00:07:39.792
EGOI_090928MMEP8795.E2	28-SEP-2009	05:14:49.163
EGOI_090928MMEP8804.E2	28-SEP-2009	06:56:39.285
EGOI_090928MMEP8811.E2	28-SEP-2009	10:18:06.020
EGOI_090928MMEP8821.E2	28-SEP-2009	13:38:01.238
EGOI_090928MMEP8827.E2	28-SEP-2009	15:17:31.852
EGOI_090928MSEP8624.E2	28-SEP-2009	00:45:28.023
EGOI_090928MSEP8643.E2	28-SEP-2009	11:23:03.414
EGOI_090928MSEP8668.E2	28-SEP-2009	13:03:23.531
EGOI_090928SGEP9965.E2	28-SEP-2009	04:47:36.995
EGOI_090928SGEP9972.E2	28-SEP-2009	14:04:46.406
EGOI_090928SGEP9981.E2	28-SEP-2009	15:41:42.497

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75496	28-SEP-2009	06:09:15.842	06:10:54.003	98.161000
KS	75497	28-SEP-2009	07:48:10.485	07:50:47.118	156.63300
KS	75498	28-SEP-2009	09:27:46.090	09:30:22.225	156.13500
KS	75499	28-SEP-2009	11:07:20.944	11:09:58.836	157.89200
KS	75500	28-SEP-2009	12:46:37.286	12:49:12.939	155.65300
KS	75501	28-SEP-2009	14:25:25.329	14:28:06.045	160.71600
KS	75502	28-SEP-2009	16:03:10.633	16:05:48.641	158.00800
GS	75493	28-SEP-2009	00:51:22.213	00:53:01.069	98.856000
GS	75494	28-SEP-2009	02:28:06.782	02:29:12.156	65.374000
GS	75495	28-SEP-2009	04:07:54.215	04:09:59.268	125.05300
MS	75493	28-SEP-2009	00:43:20.774	00:45:28.023	127.24900
MS	75499	28-SEP-2009	11:20:20.140	11:23:03.413	163.27300
MS	75500	28-SEP-2009	13:00:48.426	13:03:23.530	155.10400
MA	75498	28-SEP-2009	09:35:51.189	09:38:04.272	133.08300
MI	75495	28-SEP-2009	04:01:58.829	04:05:09.741	190.91200
MI	75502	28-SEP-2009	16:21:53.209	16:24:24.754	151.54500
MI	75494	28-SEP-2009	02:23:53.900	02:26:22.639	148.73900

MM	75492	28-SEP-2009	00:06:03.118	00:07:39.792	96.674000
MM	75496	28-SEP-2009	06:55:37.188	06:56:39.284	62.096000
MM	75498	28-SEP-2009	10:16:33.110	10:18:06.019	92.909000
MM	75500	28-SEP-2009	13:36:23.340	13:38:01.237	97.897000
MM	75501	28-SEP-2009	15:15:55.900	15:17:31.852	95.952000
BE	75494	28-SEP-2009	02:53:12.075	02:55:54.315	162.24000
SG	75495	28-SEP-2009	04:45:33.364	04:47:36.995	123.63100
SG	75500	28-SEP-2009	14:03:05.241	14:04:46.405	101.16400
SG	75501	28-SEP-2009	15:39:01.305	15:41:42.497	161.19200
SG	75501	28-SEP-2009	15:48:23.035	15:52:48.022	264.98700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75492	27-SEP-2009	23:55:08.668	00:09:38.960	870.29200
HO	75493	28-SEP-2009	01:36:27.763	01:47:54.310	686.54700
MM	75493	28-SEP-2009	01:48:10.466	01:57:41.787	571.32100
MM	75494	28-SEP-2009	03:31:08.405	03:38:18.374	429.96900
SG	75494	28-SEP-2009	03:04:24.979	03:17:57.735	812.75600
CM	75494	28-SEP-2009	04:00:37.636	04:13:02.216	744.58000
BE	75495	28-SEP-2009	04:33:34.075	04:43:43.942	609.86700
JO	75496	28-SEP-2009	06:37:08.202	06:46:24.582	556.38000
MM	75497	28-SEP-2009	08:36:16.968	08:45:34.521	557.55300
MA	75497	28-SEP-2009	07:59:07.281	08:07:05.946	478.66500
JO	75497	28-SEP-2009	08:12:49.801	08:27:51.289	901.48800
JO	75498	28-SEP-2009	09:55:33.881	10:04:34.024	540.14300
MM	75499	28-SEP-2009	11:56:35.129	12:08:56.914	741.78500
MA	75499	28-SEP-2009	11:16:39.220	11:25:26.186	526.96600
BE	75501	28-SEP-2009	14:09:49.229	14:23:14.126	804.89700
MI	75501	28-SEP-2009	14:44:10.847	14:53:41.614	570.76700
GS	75501	28-SEP-2009	14:37:13.496	14:48:09.175	655.67900
BE	75502	28-SEP-2009	15:52:36.329	16:00:37.297	480.96800
MM	75502	28-SEP-2009	16:55:12.555	17:07:44.355	751.80000
GS	75502	28-SEP-2009	16:15:57.958	16:29:47.522	829.56400
CM	75502	28-SEP-2009	16:24:35.739	16:37:00.947	745.20800
MM	75503	28-SEP-2009	18:34:20.602	18:46:55.950	755.34800

KS	75503	28-SEP-2009	17:41:05.863	17:54:03.324	777.46100
GS	75503	28-SEP-2009	17:56:30.023	18:06:04.744	574.72100
CM	75503	28-SEP-2009	18:08:27.018	18:10:30.028	123.01000
MM	75504	28-SEP-2009	20:13:37.831	20:26:21.373	763.54200
MA	75504	28-SEP-2009	19:16:24.880	19:24:43.807	498.92700
KS	75504	28-SEP-2009	19:19:29.650	19:33:27.421	837.77100
JO	75504	28-SEP-2009	20:32:55.329	20:47:52.654	897.32500
HO	75505	28-SEP-2009	21:48:52.715	21:57:36.762	524.04700
MM	75505	28-SEP-2009	21:53:27.819	22:06:03.242	755.42300
MA	75505	28-SEP-2009	20:51:24.561	21:05:07.302	822.74100
KS	75505	28-SEP-2009	20:59:38.901	21:13:04.522	805.62100
HO	75506	28-SEP-2009	23:24:07.230	23:38:20.654	853.42400
MM	75506	28-SEP-2009	23:34:10.810	23:45:59.730	708.92000
MS	75506	28-SEP-2009	22:29:59.130	22:42:33.491	754.36100
MA	75506	28-SEP-2009	22:35:59.230	22:42:28.654	389.42400
KS	75506	28-SEP-2009	22:42:02.861	22:52:35.297	632.43600

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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

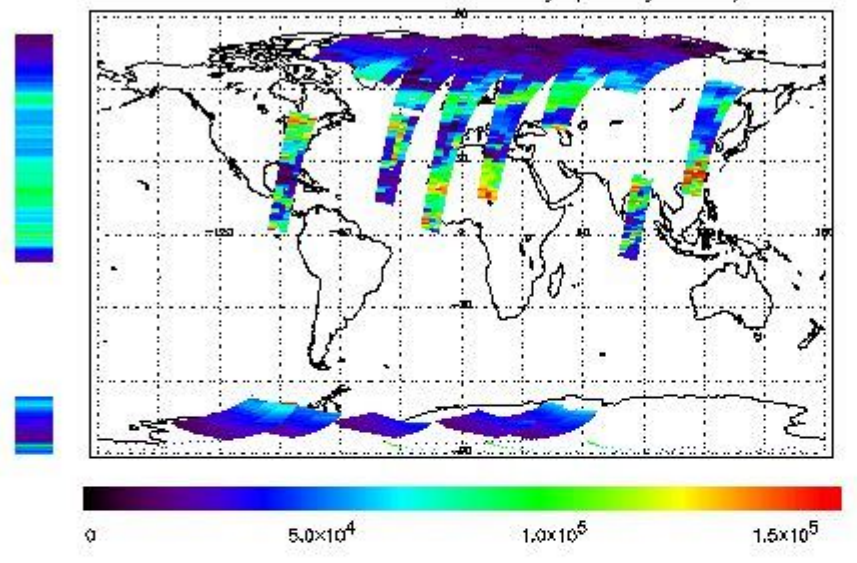
(1)

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

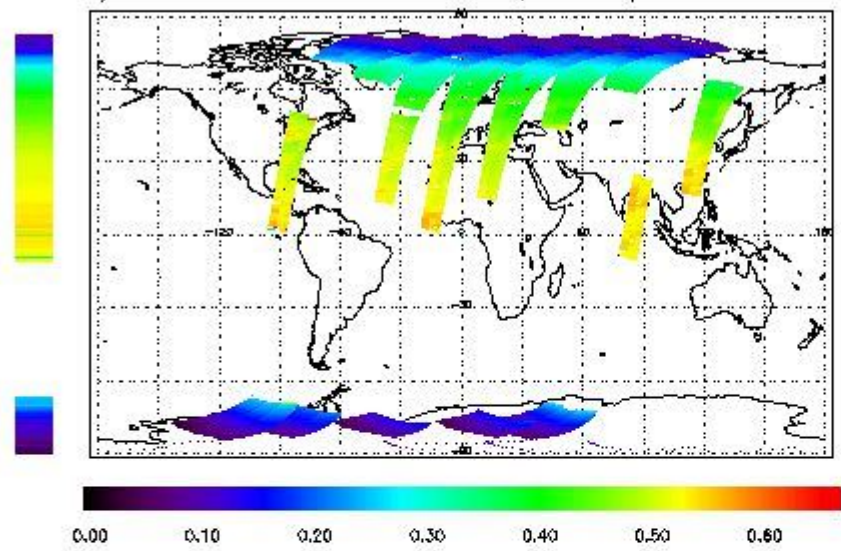
First Product : 28-SEP-2009 00:07:39.792 : ORBIT : 75492.6616

Last Product : 28-SEP-2009 18:38:00.837 : ORBIT : 75502.5062

Total Products Processed : 13125 Day : 271

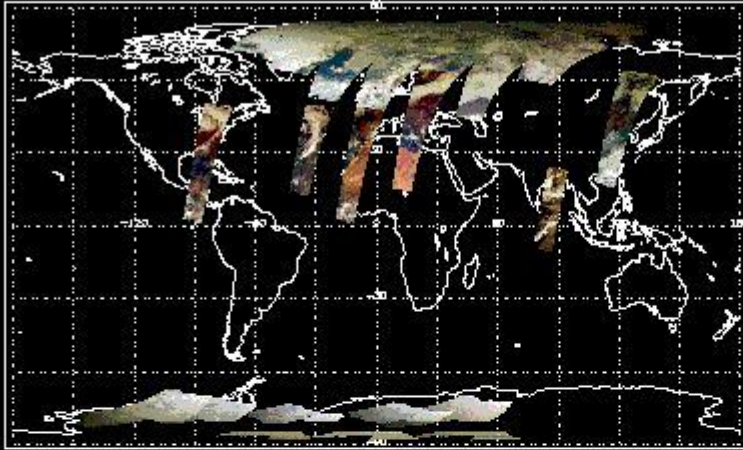
Page : 20

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)
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(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)
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(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)
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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	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
--	--	--	--

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