

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-Oct-2009
Start Time of First Product	01:12:01
Stop Time of Last Product	21:36:01
Number of EGOI Products analysed	30
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_091026GSEP1558.E2	26-OCT-2009	01:12:09.702
EGOI_091026GSEP1590.E2	26-OCT-2009	02:48:58.297
EGOI_091026GSEP1618.E2	26-OCT-2009	04:30:37.928
EGOI_091026GSEP1625.E2	26-OCT-2009	06:12:53.551
EGOI_091026KSEP3058.E2	26-OCT-2009	06:30:40.156
EGOI_091026KSEP3079.E2	26-OCT-2009	08:10:34.775
EGOI_091026KSEP3102.E2	26-OCT-2009	09:50:14.382
EGOI_091026KSEP3127.E2	26-OCT-2009	11:29:52.497
EGOI_091026KSEP3146.E2	26-OCT-2009	13:08:57.607

EGOI_091026KSEP3159.E2	26-OCT-2009	14:47:43.214
EGOI_091026KSEP3185.E2	26-OCT-2009	16:25:22.817
EGOI_091026KSEP3217.E2	26-OCT-2009	18:03:27.920
EGOI_091026KSEP3253.E2	26-OCT-2009	19:41:30.024
EGOI_091026KSEP3279.E2	26-OCT-2009	21:21:57.639
EGOI_091026KSEP3306.E2	26-OCT-2009	23:04:44.774
EGOI_091026MAEP5275.E2	26-OCT-2009	08:18:49.822
EGOI_091026MAEP5291.E2	26-OCT-2009	09:57:42.933
EGOI_091026MAEP5307.E2	26-OCT-2009	11:38:52.552
EGOI_091026MAEP5323.E2	26-OCT-2009	21:14:24.595
EGOI_091026MIEP2483.E2	26-OCT-2009	02:45:22.274
EGOI_091026MIEP2511.E2	26-OCT-2009	04:24:48.389
EGOI_091026MIEP2537.E2	26-OCT-2009	15:05:29.827
EGOI_091026MIEP2565.E2	26-OCT-2009	16:44:27.431
EGOI_091026MSEP1876.E2	26-OCT-2009	10:05:47.480
EGOI_091026MSEP1900.E2	26-OCT-2009	11:42:49.575
EGOI_091026MSEP1923.E2	26-OCT-2009	13:24:09.704
EGOI_091026MSEP1937.E2	26-OCT-2009	21:17:11.111
EGOI_091026MSEP1969.E2	26-OCT-2009	22:51:56.690
EGOI_091026SGEP0729.E2	26-OCT-2009	03:27:30.032
EGOI_091026SGEP0737.E2	26-OCT-2009	05:09:05.155
EGOI_091026SGEP0744.E2	26-OCT-2009	14:23:11.565
EGOI_091026SGEP0751.E2	26-OCT-2009	16:02:01.672

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75897	26-OCT-2009	06:28:52.675	06:30:40.156	107.48100
KS	75898	26-OCT-2009	08:08:04.612	08:10:34.774	150.16200
KS	75899	26-OCT-2009	09:47:41.714	09:50:14.381	152.66700
KS	75900	26-OCT-2009	11:27:14.275	11:29:52.497	158.22200
KS	75901	26-OCT-2009	13:06:24.643	13:08:57.607	152.96400
KS	75902	26-OCT-2009	14:45:06.039	14:47:43.214	157.17500
KS	75903	26-OCT-2009	16:22:45.999	16:25:22.816	156.81700
KS	75904	26-OCT-2009	18:00:34.579	18:03:27.920	173.34100
KS	75905	26-OCT-2009	19:39:22.648	19:41:30.024	127.37600
KS	75906	26-OCT-2009	21:19:55.494	21:21:57.639	122.14500
GS	75894	26-OCT-2009	01:10:07.706	01:12:09.702	121.99600
GS	75895	26-OCT-2009	02:47:03.040	02:48:58.296	115.25600
GS	75896	26-OCT-2009	04:28:44.152	04:30:37.928	113.77600
MS	75900	26-OCT-2009	11:40:10.126	11:42:49.575	159.44900

MS	75901	26-OCT-2009	13:21:33.756	13:24:09.704	155.94800
MA	75898	26-OCT-2009	08:17:23.183	08:18:49.822	86.639000
MA	75899	26-OCT-2009	09:55:44.062	09:57:42.933	118.87100
MA	75900	26-OCT-2009	11:37:06.349	11:38:52.551	106.20200
MA	75906	26-OCT-2009	21:11:40.299	21:14:24.595	164.29600
MI	75895	26-OCT-2009	02:42:56.426	02:45:22.273	145.84700
MI	75896	26-OCT-2009	04:22:26.557	04:24:48.389	141.83200
MI	75902	26-OCT-2009	15:03:10.535	15:05:29.826	139.29100
MI	75903	26-OCT-2009	16:42:00.857	16:44:27.430	146.57300
SG	75895	26-OCT-2009	03:24:04.567	03:27:30.032	205.46500
SG	75901	26-OCT-2009	14:21:19.023	14:23:11.564	112.54100
SG	75902	26-OCT-2009	15:59:08.748	16:02:01.672	172.92400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75893	26-OCT-2009	00:14:53.350	00:29:31.587	878.23700
MM	75893	26-OCT-2009	00:26:23.454	00:37:28.819	665.36500
HO	75894	26-OCT-2009	01:58:12.895	02:06:52.470	519.57500
MM	75894	26-OCT-2009	02:08:43.051	02:17:46.840	543.78900
BE	75895	26-OCT-2009	03:13:04.811	03:26:26.853	802.04200
MM	75895	26-OCT-2009	03:51:46.049	03:58:30.396	404.34700
CM	75895	26-OCT-2009	02:44:32.020	02:51:09.981	397.96100
CM	75895	26-OCT-2009	04:20:32.658	04:32:48.591	735.93300
BE	75896	26-OCT-2009	04:54:04.273	05:02:21.704	497.43100
MM	75896	26-OCT-2009	05:34:26.676	05:40:15.064	348.38800
MM	75897	26-OCT-2009	07:15:48.179	07:23:11.650	443.47100
JO	75897	26-OCT-2009	06:55:33.910	07:07:10.520	696.61000
MM	75898	26-OCT-2009	08:56:21.551	09:06:06.025	584.47400
JO	75898	26-OCT-2009	08:32:45.774	08:47:38.958	893.18400
MM	75899	26-OCT-2009	10:36:34.568	10:48:06.982	692.41400
MM	75900	26-OCT-2009	12:16:33.929	12:29:03.200	749.27100
MM	75901	26-OCT-2009	13:56:19.165	14:09:03.099	763.93400
BE	75902	26-OCT-2009	14:29:49.001	14:43:02.856	793.85500
MM	75902	26-OCT-2009	15:35:48.417	15:48:25.584	757.16700
GS	75902	26-OCT-2009	14:56:46.008	15:09:28.271	762.26300

CM	75902	26-OCT-2009	15:07:58.829	15:14:27.535	388.70600
MM	75903	26-OCT-2009	17:15:02.436	17:27:33.971	751.53500
GS	75903	26-OCT-2009	16:35:56.093	16:49:25.264	809.17100
CM	75903	26-OCT-2009	16:44:31.343	16:56:43.899	732.55600
MM	75904	26-OCT-2009	18:54:10.574	19:06:47.732	757.15800
GS	75904	26-OCT-2009	18:16:57.031	18:24:37.769	460.73800
JO	75904	26-OCT-2009	19:15:40.488	19:25:29.040	588.55200
MM	75905	26-OCT-2009	20:33:32.465	20:46:16.467	764.00200
MA	75905	26-OCT-2009	19:33:20.531	19:45:07.507	706.97600
JO	75905	26-OCT-2009	20:52:45.117	21:07:45.237	900.12000
HO	75906	26-OCT-2009	22:07:17.690	22:18:02.330	644.64000
MM	75906	26-OCT-2009	22:13:31.656	22:26:01.439	749.78300
JO	75906	26-OCT-2009	22:34:29.854	22:43:00.450	510.59600
HO	75907	26-OCT-2009	23:43:52.512	23:58:16.070	863.55800
MM	75907	26-OCT-2009	23:54:26.978	00:06:00.622	693.64400

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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	OK
Polarization Detectors	South Polar View operations
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

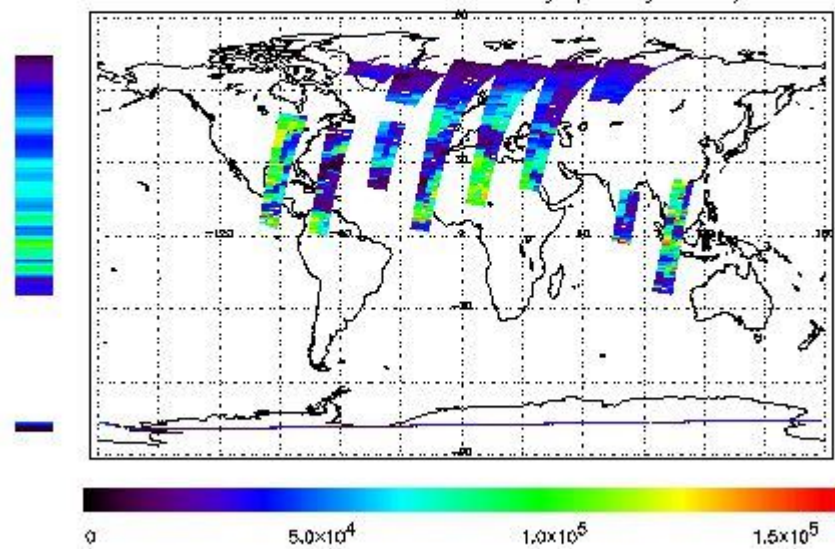
2.2 - Daily Plots

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 : 26-OCT-2009 01:12:09.702 : ORBIT : 75894.1028
 Last Product : 26-OCT-2009 21:38:09.725 : ORBIT : 75906.2699
 Total Products Processed : 14094 Day : 299 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

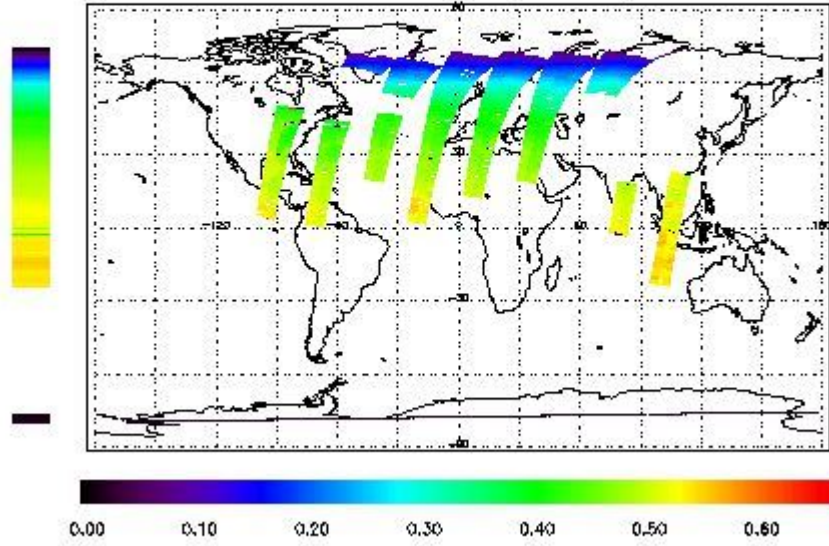


Ozone Line Ratio

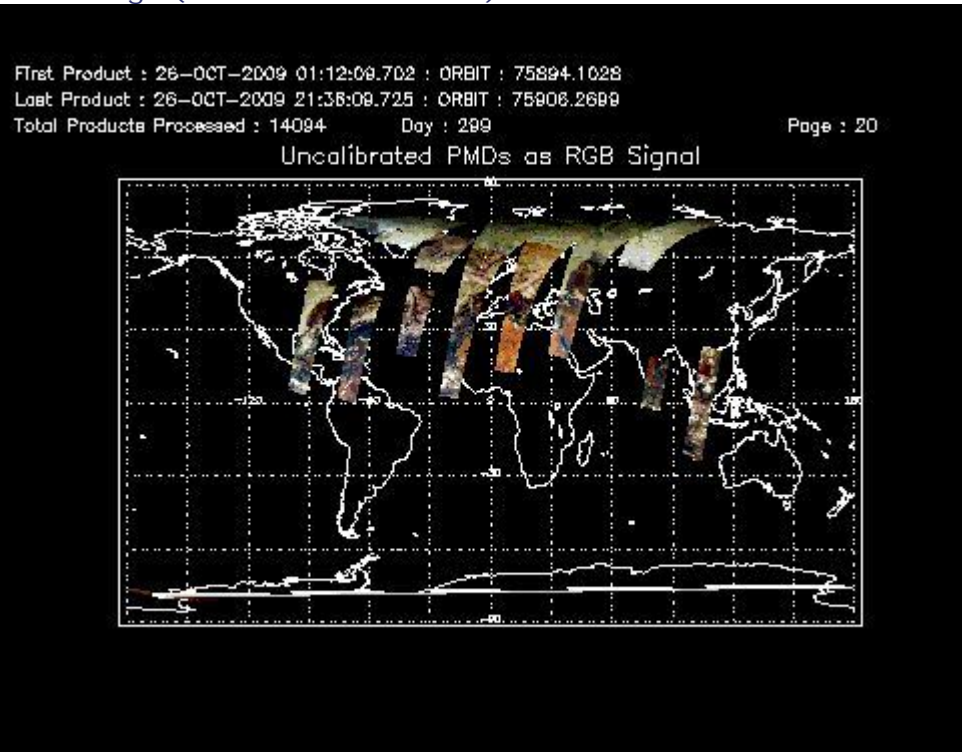
First Product : 26-OCT-2009 01:12:09.702 : ORBIT : 75894.1028
 Last Product : 26-OCT-2009 21:38:09.725 : ORBIT : 75906.2699
 Total Products Processed : 14094 Day : 299

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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	13:13:32.130	--	75901	Yes	--	15461

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