

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-OCT-2009
Start Time of First Product	00:19:16
Stop Time of Last Product	23:07:18
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit 75588

1.2 - List of received products

Name	Date	Time
EGOI_091004BEEP0815.E2	04-OCT-2009	03:07:15.693
EGOI_091004BEEP0821.E2	04-OCT-2009	04:47:56.807
EGOI_091004GSEP0022.E2	04-OCT-2009	04:21:47.655
EGOI_091004GSEP0029.E2	04-OCT-2009	06:04:10.777
EGOI_091004GSEP9960.E2	04-OCT-2009	01:03:53.941
EGOI_091004GSEP9992.E2	04-OCT-2009	02:40:30.532
EGOI_091004KSEP7089.E2	04-OCT-2009	06:22:12.391
EGOI_091004KSEP7111.E2	04-OCT-2009	08:02:05.493
EGOI_091004KSEP7136.E2	04-OCT-2009	09:41:45.105

EGOI_091004KSEP7170.E2	04-OCT-2009	11:21:20.212
EGOI_091004KSEP7201.E2	04-OCT-2009	13:00:31.317
EGOI_091004KSEP7215.E2	04-OCT-2009	14:39:20.588
EGOI_091004KSEP7230.E2	04-OCT-2009	16:17:01.684
EGOI_091004KSEP7261.E2	04-OCT-2009	17:55:03.782
EGOI_091004KSEP7297.E2	04-OCT-2009	19:33:01.387
EGOI_091004KSEP7332.E2	04-OCT-2009	21:13:19.999
EGOI_091004KSEP7350.E2	04-OCT-2009	22:56:53.633
EGOI_091004MAEP4540.E2	04-OCT-2009	08:10:44.548
EGOI_091004MAEP4552.E2	04-OCT-2009	09:49:10.652
EGOI_091004MIEP0513.E2	04-OCT-2009	02:37:14.012
EGOI_091004MIEP0541.E2	04-OCT-2009	04:16:04.119
EGOI_091004MIEP0567.E2	04-OCT-2009	14:57:23.697
EGOI_091004MIEP0597.E2	04-OCT-2009	16:35:55.801
EGOI_091004MMEP9006.E2	04-OCT-2009	00:19:16.167
EGOI_091004MMEP9014.E2	04-OCT-2009	02:01:18.289
EGOI_091004MMEP9020.E2	04-OCT-2009	05:26:30.046
EGOI_091004MMEP9032.E2	04-OCT-2009	08:49:10.287
EGOI_091004MMEP9040.E2	04-OCT-2009	12:09:52.008
EGOI_091004MMEP9049.E2	04-OCT-2009	15:28:52.391
EGOI_091004MMEP9056.E2	04-OCT-2009	17:08:41.001
EGOI_091004MMEP9063.E2	04-OCT-2009	22:07:17.324
EGOI_091004MSEP9333.E2	04-OCT-2009	00:57:37.402
EGOI_091004MSEP9345.E2	04-OCT-2009	09:57:46.706
EGOI_091004MSEP9367.E2	04-OCT-2009	11:34:24.793
EGOI_091004MSEP9391.E2	04-OCT-2009	13:15:11.906
EGOI_091004MSEP9423.E2	04-OCT-2009	22:43:23.547
EGOI_091004SGEP0130.E2	04-OCT-2009	04:59:40.382
EGOI_091004SGEP0137.E2	04-OCT-2009	14:15:27.943
EGOI_091004SGEP0146.E2	04-OCT-2009	15:53:10.543

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75582	04-OCT-2009	06:20:27.008	06:22:12.390	105.38200
KS	75583	04-OCT-2009	07:59:32.734	08:02:05.493	152.75900
KS	75584	04-OCT-2009	09:39:09.319	09:41:45.104	155.78500
KS	75585	04-OCT-2009	11:18:42.946	11:21:20.211	157.26500
KS	75586	04-OCT-2009	12:57:55.974	13:00:31.317	155.34300
KS	75587	04-OCT-2009	14:36:40.224	14:39:20.587	160.36300
KS	75588	04-OCT-2009	16:14:20.589	16:17:01.683	161.09400
KS	75589	04-OCT-2009	17:52:14.116	17:55:03.781	169.66500

KS	75590	04-OCT-2009	19:30:50.872	19:33:01.386	130.51400
KS	75591	04-OCT-2009	21:11:13.425	21:13:19.999	126.57400
KS	75592	04-OCT-2009	22:53:56.076	22:56:53.633	177.55700
GS	75581	04-OCT-2009	04:19:45.927	04:21:47.654	121.72700
GS	75579	04-OCT-2009	01:02:03.326	01:03:53.941	110.61500
GS	75580	04-OCT-2009	02:38:34.127	02:40:30.531	116.40400
MS	75585	04-OCT-2009	11:31:39.587	11:34:24.793	165.20600
MS	75586	04-OCT-2009	13:12:35.922	13:15:11.905	155.98300
MS	75592	04-OCT-2009	22:41:05.869	22:43:23.547	137.67800
MA	75583	04-OCT-2009	08:09:14.886	08:10:44.548	89.662000
MA	75584	04-OCT-2009	09:47:12.106	09:49:10.651	118.54500
MI	75580	04-OCT-2009	02:34:44.138	02:37:14.011	149.87300
MI	75581	04-OCT-2009	04:13:37.845	04:16:04.118	146.27300
MI	75587	04-OCT-2009	14:54:58.634	14:57:23.696	145.06200
MI	75588	04-OCT-2009	16:33:21.958	16:35:55.800	153.84200
MM	75578	04-OCT-2009	00:17:40.129	00:19:16.167	96.038000
MM	75579	04-OCT-2009	01:59:54.551	02:01:18.288	83.737000
MM	75583	04-OCT-2009	08:47:45.398	08:49:10.287	84.889000
MM	75585	04-OCT-2009	12:08:00.226	12:09:52.007	111.78100
MM	75587	04-OCT-2009	15:27:17.417	15:28:52.391	94.974000
MM	75588	04-OCT-2009	17:06:32.527	17:08:41.000	128.47300
MM	75591	04-OCT-2009	22:04:55.455	22:07:17.324	141.86900
BE	75580	04-OCT-2009	03:04:32.962	03:07:15.692	162.73000
BE	75581	04-OCT-2009	04:45:15.028	04:47:56.807	161.77900
SG	75581	04-OCT-2009	04:57:53.715	04:59:40.382	106.66700
SG	75586	04-OCT-2009	14:13:23.181	14:15:27.942	124.76100
SG	75587	04-OCT-2009	15:50:29.281	15:53:10.543	161.26200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75578	04-OCT-2009	00:06:25.021	00:21:00.591	875.57000
HO	75579	04-OCT-2009	01:48:58.529	01:58:53.224	594.69500
MM	75580	04-OCT-2009	03:42:55.685	03:49:50.688	415.00300
SG	75580	04-OCT-2009	03:15:37.139	03:29:25.112	827.97300
CM	75580	04-OCT-2009	02:37:11.044	02:41:41.274	270.23000

CM	75580	04-OCT-2009	04:11:58.376	04:24:21.798	743.42200
MM	75582	04-OCT-2009	07:07:09.426	07:14:21.173	431.74700
JO	75582	04-OCT-2009	06:47:35.881	06:58:19.701	643.82000
JO	75583	04-OCT-2009	08:24:11.517	08:39:11.026	899.50900
MM	75584	04-OCT-2009	10:27:59.721	10:39:24.875	685.15400
JO	75584	04-OCT-2009	10:08:17.577	10:14:45.646	388.06900
MA	75585	04-OCT-2009	11:28:24.912	11:36:24.448	479.53600
HO	75586	04-OCT-2009	13:56:25.429	14:10:23.664	838.23500
MM	75586	04-OCT-2009	13:47:46.748	14:00:30.605	763.85700
BE	75587	04-OCT-2009	14:21:13.262	14:34:34.142	800.88000
GS	75587	04-OCT-2009	14:48:22.351	15:00:39.883	737.53200
CM	75587	04-OCT-2009	15:00:41.798	15:04:38.458	236.66000
BE	75588	04-OCT-2009	16:05:11.996	16:11:05.737	353.74100
GS	75588	04-OCT-2009	16:27:22.180	16:41:01.777	819.59700
CM	75588	04-OCT-2009	16:35:57.337	16:48:19.045	741.70800
MM	75589	04-OCT-2009	18:45:40.532	18:58:16.893	756.36100
GS	75589	04-OCT-2009	18:08:09.437	18:16:43.415	513.97800
JO	75589	04-OCT-2009	19:07:49.975	19:16:08.743	498.76800
MM	75590	04-OCT-2009	20:25:00.303	20:37:44.201	763.89800
MA	75590	04-OCT-2009	19:27:03.328	19:36:24.601	561.27300
JO	75590	04-OCT-2009	20:44:14.168	20:59:15.807	901.63900
MA	75591	04-OCT-2009	21:03:00.739	21:16:26.903	806.16400
JO	75591	04-OCT-2009	22:25:28.734	22:35:15.631	586.89700
HO	75592	04-OCT-2009	23:35:21.110	23:49:44.160	863.05000
MM	75592	04-OCT-2009	23:45:45.441	23:57:25.890	700.44900

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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

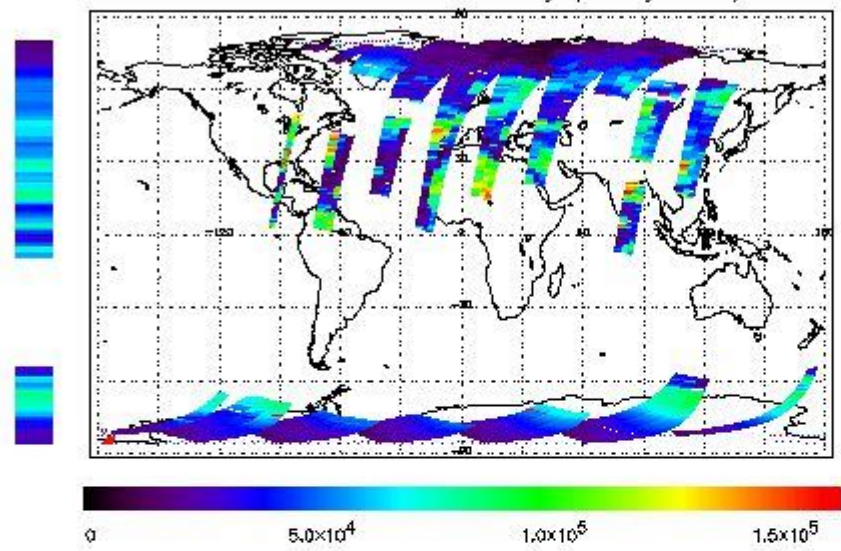
(1)

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

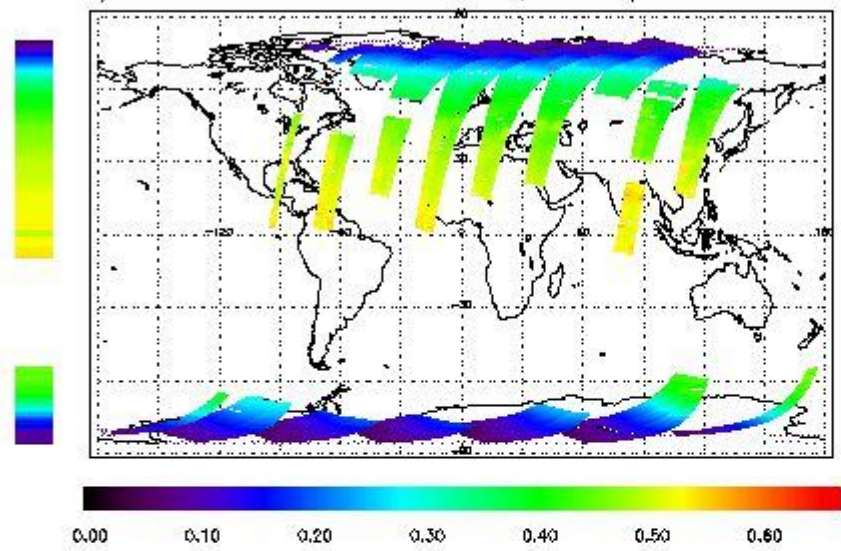
First Product : 04-OCT-2009 00:19:16.167 : ORBIT : 75578.6627

Last Product : 04-OCT-2009 23:07:17.695 : ORBIT : 75592.2615

Total Products Processed : 18457 Day : 277

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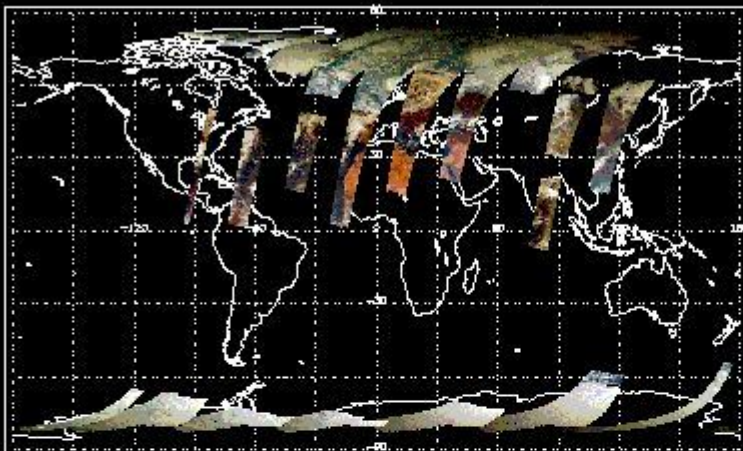
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 04-OCT-2009 00:19:16.167 : ORBIT : 75578.6627
 Last Product : 04-OCT-2009 23:07:17.695 : ORBIT : 75592.2615
 Total Products Processed : 18457 Day : 277 Page : 20

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)
D	14:43:08.610	--	75587	Y	--	15255

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

(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
--	--	--	--	--	--	--	--	--

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

(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
16:00	--	75588	--

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