

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	06-SEP-2009
Start Time of First Product	00:36:19
Stop Time of Last Product	22:47:22
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090906GSEP8213.E2	06-SEP-2009	02:21:07.202
EGOI_090906GSEP8237.E2	06-SEP-2009	04:01:10.808
EGOI_090906GSEP8245.E2	06-SEP-2009	05:44:00.925
EGOI_090906KSEP0014.E2	06-SEP-2009	12:40:43.953
EGOI_090906KSEP0027.E2	06-SEP-2009	14:19:38.556
EGOI_090906KSEP0041.E2	06-SEP-2009	15:57:25.652
EGOI_090906KSEP0071.E2	06-SEP-2009	17:35:21.743
EGOI_090906KSEP0107.E2	06-SEP-2009	19:13:10.341
EGOI_090906KSEP0142.E2	06-SEP-2009	20:53:09.445

EGOI_090906KSEP0172.E2	06-SEP-2009	22:35:07.062
EGOI_090906KSEP9933.E2	06-SEP-2009	07:41:46.640
EGOI_090906KSEP9956.E2	06-SEP-2009	09:21:47.253
EGOI_090906KSEP9984.E2	06-SEP-2009	11:01:25.355
EGOI_090906MAEP3578.E2	06-SEP-2009	09:29:26.292
EGOI_090906MAEP3587.E2	06-SEP-2009	11:09:10.402
EGOI_090906MIEP8523.E2	06-SEP-2009	02:18:16.183
EGOI_090906MIEP8536.E2	06-SEP-2009	03:56:30.280
EGOI_090906MIEP8555.E2	06-SEP-2009	14:38:34.169
EGOI_090906MIEP8582.E2	06-SEP-2009	16:15:42.266
EGOI_090906MIEP8599.E2	06-SEP-2009	17:59:15.887
EGOI_090906MMEP7849.E2	06-SEP-2009	01:40:48.951
EGOI_090906MMEP7856.E2	06-SEP-2009	03:23:27.073
EGOI_090906MMEP7866.E2	06-SEP-2009	10:09:34.042
EGOI_090906MMEP7873.E2	06-SEP-2009	11:49:54.144
EGOI_090906MMEP7882.E2	06-SEP-2009	15:09:02.859
EGOI_090906MMEP7889.E2	06-SEP-2009	16:48:34.961
EGOI_090906MSEP6347.E2	06-SEP-2009	00:36:18.561
EGOI_090906MSEP6367.E2	06-SEP-2009	11:14:32.933
EGOI_090906MSEP6392.E2	06-SEP-2009	12:54:29.039
EGOI_090906MSEP6424.E2	06-SEP-2009	22:23:53.496
EGOI_090906SGEP9477.E2	06-SEP-2009	02:58:44.929
EGOI_090906SGEP9486.E2	06-SEP-2009	04:38:32.026
EGOI_090906SGEP9494.E2	06-SEP-2009	13:57:24.919
EGOI_090906SGEP9502.E2	06-SEP-2009	15:33:01.508

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75185	06-SEP-2009	12:38:07.943	12:40:43.953	156.01000
KS	75186	06-SEP-2009	14:16:58.792	14:19:38.555	159.76300
KS	75187	06-SEP-2009	15:54:48.259	15:57:25.651	157.39200
KS	75188	06-SEP-2009	17:32:42.983	17:35:21.743	158.76000
KS	75189	06-SEP-2009	19:10:59.560	19:13:10.340	130.78000
KS	75190	06-SEP-2009	20:50:59.151	20:53:09.444	130.29300
KS	75191	06-SEP-2009	22:33:09.667	22:35:07.061	117.39400
KS	75182	06-SEP-2009	07:39:39.029	07:41:46.640	127.61100
KS	75183	06-SEP-2009	09:19:13.654	09:21:47.253	153.59900
KS	75184	06-SEP-2009	10:58:49.286	11:01:25.354	156.06800
GS	75179	06-SEP-2009	02:19:53.494	02:21:07.201	73.707000
GS	75180	06-SEP-2009	03:59:04.242	04:01:10.807	126.56500

MS	75178	06-SEP-2009	00:34:04.809	00:36:18.561	133.75200
MS	75184	06-SEP-2009	11:11:53.485	11:14:32.932	159.44700
MS	75185	06-SEP-2009	12:51:59.855	12:54:29.039	149.18400
MS	75191	06-SEP-2009	22:21:42.515	22:23:53.496	130.98100
MA	75183	06-SEP-2009	09:27:21.835	09:29:26.291	124.45600
MA	75184	06-SEP-2009	11:07:53.206	11:09:10.401	77.195000
MI	75179	06-SEP-2009	02:15:51.660	02:18:16.183	144.52300
MI	75180	06-SEP-2009	03:53:18.516	03:56:30.280	191.76400
MI	75180	06-SEP-2009	04:04:40.821	04:06:21.637	100.81600
MI	75186	06-SEP-2009	14:36:13.806	14:38:34.169	140.36300
MI	75187	06-SEP-2009	16:13:18.836	16:15:42.266	143.43000
MM	75178	06-SEP-2009	01:39:22.865	01:40:48.951	86.086000
MM	75179	06-SEP-2009	03:22:17.927	03:23:27.073	69.146000
MM	75183	06-SEP-2009	10:07:58.036	10:09:34.042	96.006000
MM	75184	06-SEP-2009	11:48:01.190	11:49:54.144	112.95400
MM	75186	06-SEP-2009	15:07:24.620	15:09:02.859	98.239000
MM	75187	06-SEP-2009	16:46:42.497	16:48:34.961	112.46400
SG	75179	06-SEP-2009	02:56:04.400	02:58:44.928	160.52800
SG	75180	06-SEP-2009	04:36:30.701	04:38:32.025	121.32400
SG	75186	06-SEP-2009	15:30:28.626	15:33:01.507	152.88100

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75177	05-SEP-2009	23:46:41.146	00:01:06.907	865.76100
MM	75177	05-SEP-2009	23:57:20.931	00:08:52.221	691.29000
HO	75178	06-SEP-2009	01:27:36.481	01:39:37.587	721.10600
GS	75178	06-SEP-2009	00:43:25.572	00:51:35.802	490.23000
BE	75179	06-SEP-2009	02:44:42.659	02:58:01.416	798.75700
CM	75179	06-SEP-2009	03:52:10.771	04:04:29.722	738.95100
BE	75180	06-SEP-2009	04:24:50.997	04:35:38.348	647.35100
MM	75180	06-SEP-2009	05:05:13.935	05:11:01.991	348.05600
MM	75181	06-SEP-2009	06:46:57.541	06:53:43.503	405.96200
KS	75181	06-SEP-2009	06:00:56.055	06:06:04.011	307.95600
CM	75181	06-SEP-2009	05:35:14.634	05:40:19.318	304.68400
JO	75181	06-SEP-2009	06:29:27.685	06:37:19.847	472.16200

MM	75182	06-SEP-2009	08:27:40.462	08:36:46.099	545.63700
JO	75182	06-SEP-2009	08:04:21.441	08:19:19.692	898.25100
JO	75183	06-SEP-2009	09:46:18.585	09:56:38.897	620.31200
HO	75184	06-SEP-2009	11:57:24.817	12:10:38.135	793.31800
HO	75185	06-SEP-2009	13:36:22.913	13:50:57.620	874.70700
MM	75185	06-SEP-2009	13:27:50.649	13:40:33.619	762.97000
BE	75186	06-SEP-2009	14:01:18.840	14:14:42.896	804.05600
HO	75186	06-SEP-2009	15:17:38.210	15:25:29.829	471.61900
GS	75186	06-SEP-2009	14:28:54.355	14:39:54.513	660.15800
BE	75187	06-SEP-2009	15:43:23.802	15:52:33.438	549.63600
GS	75187	06-SEP-2009	16:07:25.544	16:21:19.626	834.08200
CM	75187	06-SEP-2009	16:16:07.372	16:28:28.679	741.30700
MM	75188	06-SEP-2009	18:25:50.728	18:38:25.366	754.63800
GS	75188	06-SEP-2009	17:47:47.675	17:58:01.921	614.24600
CM	75188	06-SEP-2009	17:58:21.427	18:03:46.808	325.38100
MM	75189	06-SEP-2009	20:05:06.263	20:17:49.395	763.13200
MA	75189	06-SEP-2009	19:08:33.313	19:15:54.621	441.30800
JO	75189	06-SEP-2009	20:24:28.114	20:39:17.289	889.17500
MM	75190	06-SEP-2009	21:44:52.554	21:57:29.905	757.35100
MA	75190	06-SEP-2009	20:42:54.084	20:56:36.206	822.12200
JO	75190	06-SEP-2009	22:04:47.371	22:16:43.866	716.49500
HO	75191	06-SEP-2009	23:15:43.073	23:29:47.269	844.19600
MM	75191	06-SEP-2009	23:25:30.399	23:37:25.222	714.82300
MA	75191	06-SEP-2009	22:26:36.303	22:34:29.668	473.36500

[[BACK TO MENU](#)]

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

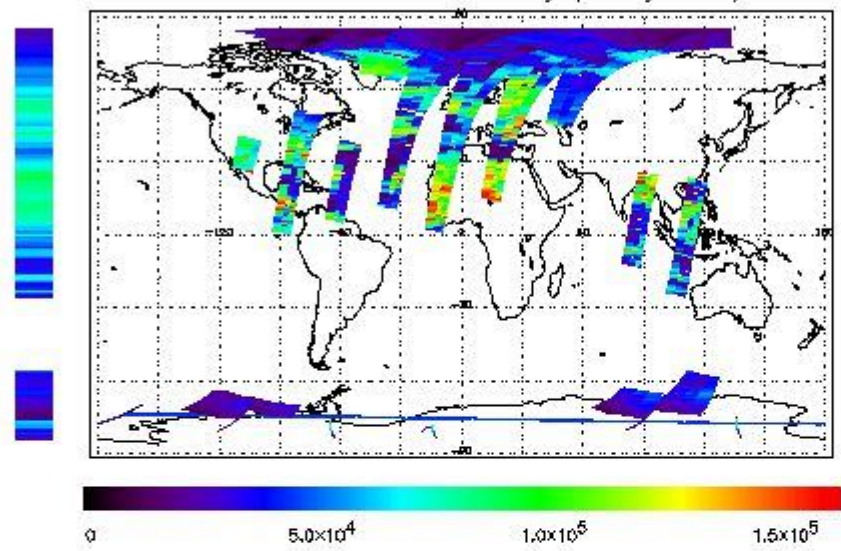
First Product : 06-SEP-2009 00:36:18.561 : ORBIT : 75178.0321

Last Product : 06-SEP-2009 22:47:22.136 : ORBIT : 75191.2635

Total Products Processed : 18309 Day : 249

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778 nm Uncalibrated Intensity (Binary Units)



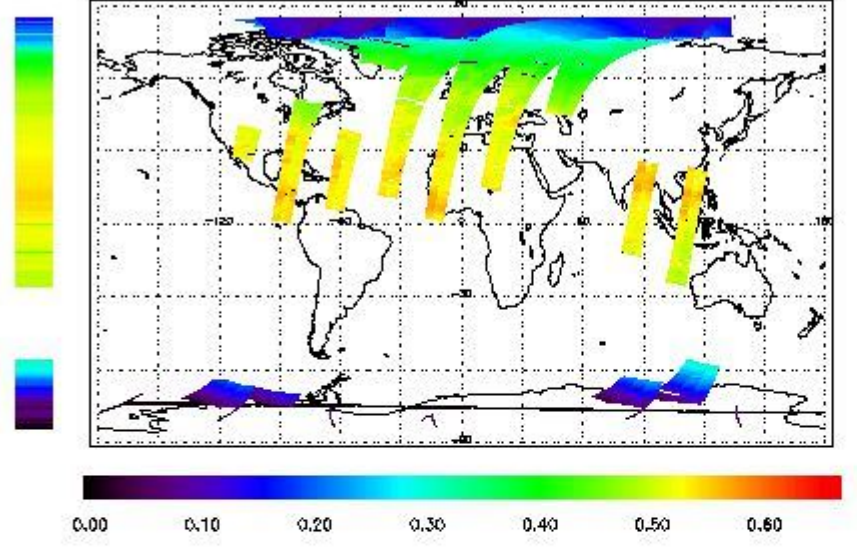
Ozone Line Ratio

First Product : 06-SEP-2009 00:36:18.561 : ORBIT : 75178.0321
Last Product : 06-SEP-2009 22:47:22.136 : ORBIT : 75191.2635

Total Products Processed : 18309 Day : 249

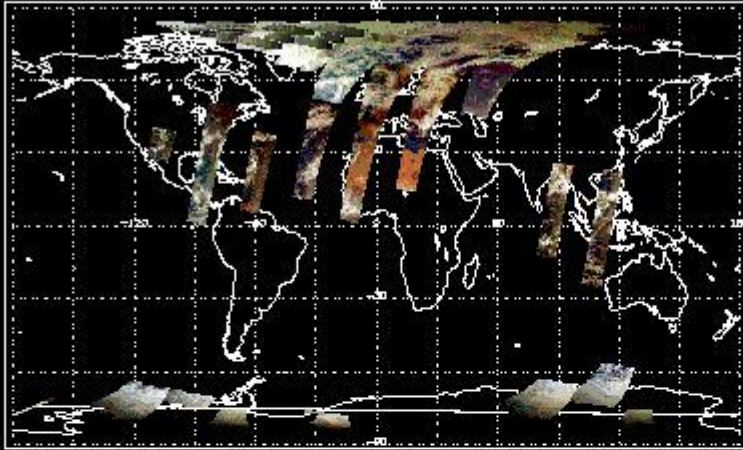
Page : 20

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)
D	19:21:34.380	--	75189	Y	--	15021

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

(2)(3)

[BACK TO MENU]

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)

[BACK TO MENU]

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
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit
01:00 (05-SEP)	--	75164	--

[[BACK TO MENU](#)]

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