

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	20-JUL-2009
Start Time of First Product	23:59:12 (19-JUL)
Stop Time of Last Product	23:40:36
Number of EGOI Products analysed	44
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090720BEEP0233.E2	20-JUL-2009	02:55:48.061
EGOI_090720BEEP0238.E2	20-JUL-2009	04:36:11.166
EGOI_090720GSEP4907.E2	20-JUL-2009	00:52:56.315
EGOI_090720GSEP4939.E2	20-JUL-2009	02:29:31.405
EGOI_090720GSEP4964.E2	20-JUL-2009	04:09:57.510
EGOI_090720GSEP4971.E2	20-JUL-2009	05:52:16.127
EGOI_090720HLEP2375.E2	19-JUL-2009	23:59:12.486
EGOI_090720HLEP2382.E2	20-JUL-2009	01:40:58.104
EGOI_090720HLEP2389.E2	20-JUL-2009	12:10:24.425

EGOI_090720HLEP2398.E2	20-JUL-2009	13:49:37.032
EGOI_090720HLEP2407.E2	20-JUL-2009	15:31:21.149
EGOI_090720HLEP2415.E2	20-JUL-2009	21:53:38.469
EGOI_090720HLEP2421.E2	20-JUL-2009	23:28:21.040
EGOI_090720KSEP7324.E2	20-JUL-2009	06:10:50.745
EGOI_090720KSEP7355.E2	20-JUL-2009	07:50:39.353
EGOI_090720KSEP7381.E2	20-JUL-2009	09:30:15.956
EGOI_090720KSEP7416.E2	20-JUL-2009	11:09:54.059
EGOI_090720KSEP7448.E2	20-JUL-2009	12:49:08.159
EGOI_090720KSEP7461.E2	20-JUL-2009	14:28:01.262
EGOI_090720KSEP7475.E2	20-JUL-2009	16:05:45.353
EGOI_090720KSEP7505.E2	20-JUL-2009	17:43:41.451
EGOI_090720KSEP7541.E2	20-JUL-2009	19:21:39.042
EGOI_090720KSEP7598.E2	20-JUL-2009	22:44:11.770
EGOI_090720MAEP1901.E2	20-JUL-2009	09:37:47.503
EGOI_090720MAEP1916.E2	20-JUL-2009	11:17:43.606
EGOI_090720MAEP1935.E2	20-JUL-2009	20:54:33.606
EGOI_090720MAEP1949.E2	20-JUL-2009	22:36:29.723
EGOI_090720MIEP4578.E2	20-JUL-2009	02:26:16.385
EGOI_090720MIEP4590.E2	20-JUL-2009	04:05:07.979
EGOI_090720MIEP4610.E2	20-JUL-2009	14:46:31.371
EGOI_090720MIEP4638.E2	20-JUL-2009	16:24:16.966
EGOI_090720MMEP6097.E2	20-JUL-2009	01:49:31.159
EGOI_090720MMEP6108.E2	20-JUL-2009	11:58:33.352
EGOI_090720MMEP6116.E2	20-JUL-2009	15:17:31.563
EGOI_090720MMEP6123.E2	20-JUL-2009	18:36:40.268
EGOI_090720MMEP6131.E2	20-JUL-2009	20:15:42.375
EGOI_090720MSEP0945.E2	20-JUL-2009	00:45:09.772
EGOI_090720MSEP0960.E2	20-JUL-2009	11:22:58.637
EGOI_090720MSEP0984.E2	20-JUL-2009	13:03:33.749
EGOI_090720MSEP1013.E2	20-JUL-2009	22:32:07.204
EGOI_090720SGEP8520.E2	20-JUL-2009	03:07:01.631
EGOI_090720SGEP8531.E2	20-JUL-2009	04:47:29.233
EGOI_090720SGEP8537.E2	20-JUL-2009	14:04:53.621
EGOI_090720SGEP8545.E2	20-JUL-2009	15:41:39.208

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74494	20-JUL-2009	06:09:15.841	06:10:50.744	94.903000
KS	74495	20-JUL-2009	07:48:10.485	07:50:39.353	148.86800
KS	74496	20-JUL-2009	09:27:46.090	09:30:15.955	149.86500
KS	74497	20-JUL-2009	11:07:20.944	11:09:54.059	153.11500

KS	74498	20-JUL-2009	12:46:37.286	12:49:08.158	150.87200
KS	74499	20-JUL-2009	14:25:25.328	14:28:01.262	155.93400
KS	74500	20-JUL-2009	16:03:10.632	16:05:45.353	154.72100
KS	74501	20-JUL-2009	17:41:05.863	17:43:41.450	155.58700
KS	74502	20-JUL-2009	19:19:29.650	19:21:39.042	129.39200
KS	74504	20-JUL-2009	22:42:02.861	22:44:11.769	128.90800
GS	74491	20-JUL-2009	00:51:22.213	00:52:56.314	94.101000
GS	74492	20-JUL-2009	02:28:06.782	02:29:31.404	84.622000
GS	74493	20-JUL-2009	04:07:54.214	04:09:57.510	123.29600
MS	74491	20-JUL-2009	00:43:20.774	00:45:09.771	108.99700
MS	74497	20-JUL-2009	11:20:20.140	11:22:58.637	158.49700
MS	74498	20-JUL-2009	13:00:48.426	13:03:33.749	165.32300
MS	74504	20-JUL-2009	22:29:59.130	22:32:07.204	128.07400
MA	74496	20-JUL-2009	09:35:51.189	09:37:47.502	116.31300
MA	74497	20-JUL-2009	11:16:39.220	11:17:43.606	64.386000
MA	74503	20-JUL-2009	20:51:24.561	20:54:33.605	189.04400
MI	74492	20-JUL-2009	02:23:53.900	02:26:16.384	142.48400
MI	74493	20-JUL-2009	04:01:58.828	04:05:07.978	189.15000
MI	74493	20-JUL-2009	04:13:32.033	04:14:45.089	73.056000
MI	74499	20-JUL-2009	14:44:10.846	14:46:31.370	140.52400
MI	74500	20-JUL-2009	16:21:53.208	16:24:16.966	143.75800
MM	74491	20-JUL-2009	01:48:10.466	01:49:31.159	80.693000
MM	74497	20-JUL-2009	11:56:35.129	11:58:33.352	118.22300
MM	74499	20-JUL-2009	15:15:55.899	15:17:31.563	95.664000
MM	74501	20-JUL-2009	18:34:20.602	18:36:40.267	139.66500
MM	74502	20-JUL-2009	20:13:37.831	20:15:42.374	124.54300
BE	74492	20-JUL-2009	02:53:12.075	02:55:48.060	155.98500
BE	74492	20-JUL-2009	03:04:46.615	03:06:35.698	109.08300
BE	74493	20-JUL-2009	04:33:34.074	04:36:11.166	157.09200
SG	74492	20-JUL-2009	03:04:24.979	03:07:01.630	156.65100
SG	74493	20-JUL-2009	04:45:33.363	04:47:29.232	115.86900
SG	74498	20-JUL-2009	14:03:05.241	14:04:53.620	108.37900
SG	74499	20-JUL-2009	15:39:01.304	15:41:39.208	157.90400

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
M	74490	20-JUL-2009	00:06:03.118	00:17:27.085	683.96700
MM	74492	20-JUL-2009	03:31:08.405	03:38:18.374	429.96900
CM	74492	20-JUL-2009	04:00:37.636	04:13:02.216	744.58000
MM	74493	20-JUL-2009	05:14:00.530	05:19:47.136	346.60600
MM	74494	20-JUL-2009	06:55:37.187	07:02:33.884	416.69700
JO	74494	20-JUL-2009	06:37:08.201	06:46:24.581	556.38000
MM	74495	20-JUL-2009	08:36:16.968	08:45:34.521	557.55300
MA	74495	20-JUL-2009	07:59:07.281	08:07:05.946	478.66500
JO	74495	20-JUL-2009	08:12:49.801	08:27:51.289	901.48800
MM	74496	20-JUL-2009	10:16:33.110	10:27:47.977	674.86700
JO	74496	20-JUL-2009	09:55:33.881	10:04:34.024	540.14300
MM	74498	20-JUL-2009	13:36:23.340	13:49:06.819	763.47900
BE	74499	20-JUL-2009	14:09:49.228	14:23:14.125	804.89700
GS	74499	20-JUL-2009	14:37:13.495	14:48:09.174	655.67900
BE	74500	20-JUL-2009	15:52:36.328	16:00:37.296	480.96800
MM	74500	20-JUL-2009	16:55:12.554	17:07:44.354	751.80000
GS	74500	20-JUL-2009	16:15:57.957	16:29:47.521	829.56400
CM	74500	20-JUL-2009	16:24:35.738	16:37:00.946	745.20800
GS	74501	20-JUL-2009	17:56:30.023	18:06:04.744	574.72100
CM	74501	20-JUL-2009	18:08:27.018	18:10:30.028	123.01000
MA	74502	20-JUL-2009	19:16:24.880	19:24:43.807	498.92700
JO	74502	20-JUL-2009	20:32:55.329	20:47:52.654	897.32500
MM	74503	20-JUL-2009	21:53:27.819	22:06:03.242	755.42300
KS	74503	20-JUL-2009	20:59:38.901	21:13:04.522	805.62100
MM	74504	20-JUL-2009	23:34:10.810	23:45:59.730	708.92000

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1.5 - List of corrupted products

Station	Orbit	Time

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

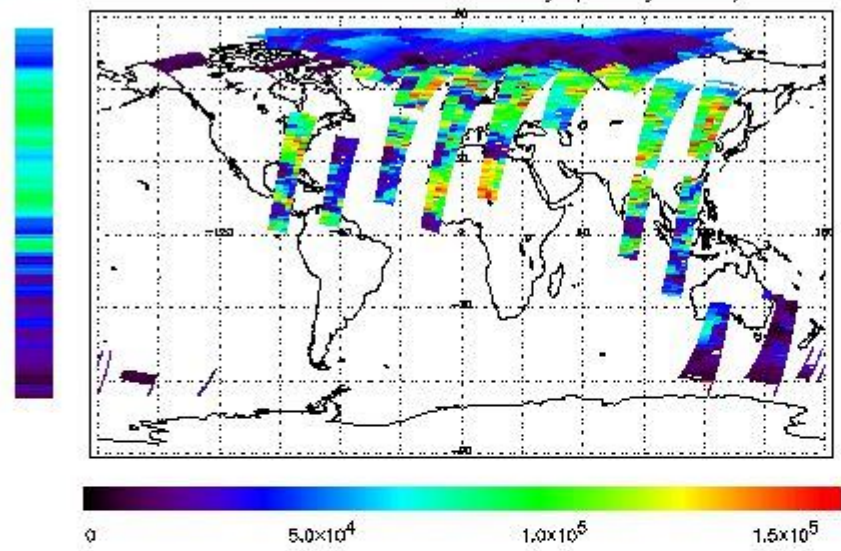
(1)

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

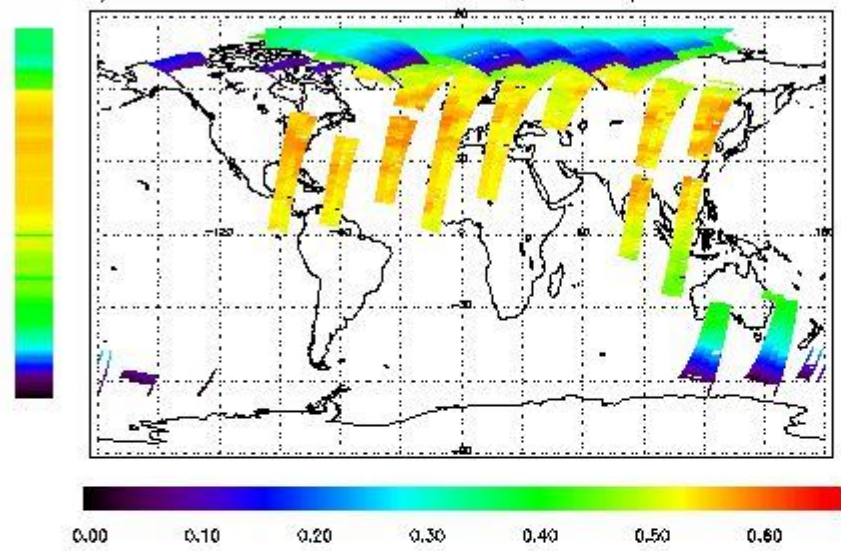
First Product : 19-JUL-2009 23:59:12.486 : ORBIT : 74490.5776

Last Product : 20-JUL-2009 23:40:36.114 : ORBIT : 74504.7069

Total Products Processed : 20337 Day : 201

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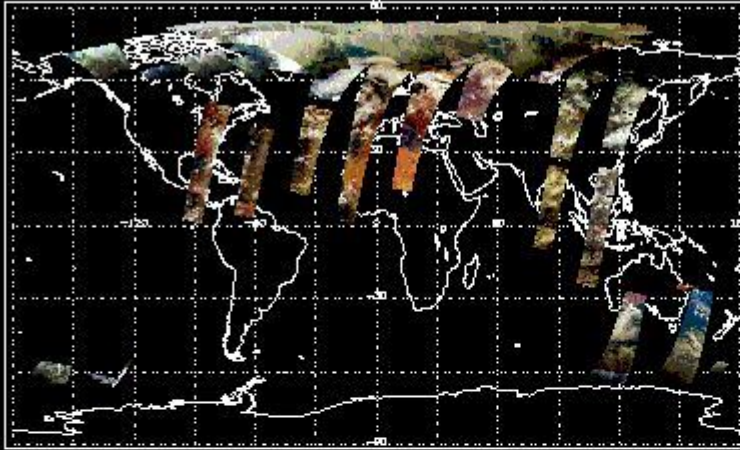
331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

First Product : 19-JUL-2009 23:59:12.486 : ORBIT : 74490.5776
 Last Product : 20-JUL-2009 23:40:38.114 : ORBIT : 74504.7089
 Total Products Processed : 20337 Day : 201 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	17:45:09.959	--	74501	--	--	14670

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

(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
--	--	--	--

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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