

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	19-Aug-2009
Start Time of First Product	00:00:37
Stop Time of Last Product	23:52:40
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Solar calibration missing due to missing data

1.2 - List of received products

Name	Date	Time
EGOI_090819BEEP0474.E2	19-AUG-2009	02:13:44.646
EGOI_090819GSEP7022.E2	19-AUG-2009	01:47:44.486
EGOI_090819GSEP7050.E2	19-AUG-2009	03:26:21.088
EGOI_090819GSEP7059.E2	19-AUG-2009	05:09:02.205
EGOI_090819KSEP5180.E2	19-AUG-2009	07:07:38.931
EGOI_090819KSEP5199.E2	19-AUG-2009	08:47:36.534
EGOI_090819KSEP5219.E2	19-AUG-2009	10:27:17.640
EGOI_090819KSEP5252.E2	19-AUG-2009	12:06:43.742
EGOI_090819KSEP5268.E2	19-AUG-2009	13:45:42.841

EGOI_090819KSEP5296.E2	19-AUG-2009	15:24:14.943
EGOI_090819KSEP5328.E2	19-AUG-2009	17:01:41.034
EGOI_090819KSEP5393.E2	19-AUG-2009	20:18:36.227
EGOI_090819KSEP5424.E2	19-AUG-2009	21:59:57.841
EGOI_090819KSEP5448.E2	19-AUG-2009	23:43:52.475
EGOI_090819MAEP2918.E2	19-AUG-2009	08:55:48.584
EGOI_090819MAEP2927.E2	19-AUG-2009	10:34:46.183
EGOI_090819MAEP2944.E2	19-AUG-2009	20:12:39.196
EGOI_090819MIEP7051.E2	19-AUG-2009	01:47:18.985
EGOI_090819MIEP7075.E2	19-AUG-2009	03:21:43.556
EGOI_090819MIEP7098.E2	19-AUG-2009	05:04:05.181
EGOI_090819MIEP7117.E2	19-AUG-2009	15:41:43.549
EGOI_090819MIEP7142.E2	19-AUG-2009	17:22:24.655
EGOI_090819MMEP7416.E2	19-AUG-2009	01:05:47.231
EGOI_090819MMEP7423.E2	19-AUG-2009	02:48:11.857
EGOI_090819MMEP7430.E2	19-AUG-2009	07:54:27.212
EGOI_090819MMEP7438.E2	19-AUG-2009	09:35:06.823
EGOI_090819MMEP7448.E2	19-AUG-2009	14:34:52.137
EGOI_090819MMEP7455.E2	19-AUG-2009	16:14:31.745
EGOI_090819MMEP7463.E2	19-AUG-2009	19:33:10.453
EGOI_090819MMEP7470.E2	19-AUG-2009	21:12:38.060
EGOI_090819MMEP7478.E2	19-AUG-2009	22:52:37.161
EGOI_090819MSEP4300.E2	19-AUG-2009	00:00:37.836
EGOI_090819MSEP4322.E2	19-AUG-2009	10:41:20.722
EGOI_090819MSEP4346.E2	19-AUG-2009	12:20:01.820
EGOI_090819MSEP4375.E2	19-AUG-2009	21:51:12.794
EGOI_090819MSEP4406.E2	19-AUG-2009	23:28:47.881

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74924	19-AUG-2009	07:05:36.097	07:07:38.931	122.83400
KS	74925	19-AUG-2009	08:45:04.030	08:47:36.533	152.50300
KS	74926	19-AUG-2009	10:24:41.538	10:27:17.640	156.10200
KS	74927	19-AUG-2009	12:04:08.028	12:06:43.742	155.71400
KS	74928	19-AUG-2009	13:43:05.162	13:45:42.841	157.67900
KS	74929	19-AUG-2009	15:21:17.209	15:24:14.943	177.73400
KS	74930	19-AUG-2009	16:58:59.508	17:01:41.034	161.52600
KS	74932	19-AUG-2009	20:16:29.416	20:18:36.226	126.81000
KS	74933	19-AUG-2009	21:57:50.193	21:59:57.840	127.64700
KS	74934	19-AUG-2009	23:42:00.774	23:43:52.474	111.70000
GS	74921	19-AUG-2009	01:45:35.224	01:47:44.486	129.26200

GS	74922	19-AUG-2009	03:24:10.991	03:26:21.087	130.09600
MS	74920	18-AUG-2009	23:58:14.330	00:00:37.836	143.50600
MS	74926	19-AUG-2009	10:38:37.293	10:41:20.721	163.42800
MS	74927	19-AUG-2009	12:17:16.658	12:20:01.820	165.16200
MS	74933	19-AUG-2009	21:49:11.632	21:51:12.793	121.16100
MS	74934	19-AUG-2009	23:26:20.991	23:28:47.881	146.89000
MA	74925	19-AUG-2009	08:54:11.252	08:55:48.583	97.331000
MA	74926	19-AUG-2009	10:32:42.186	10:34:46.183	123.99700
MA	74932	19-AUG-2009	20:09:12.496	20:12:39.195	206.69900
MI	74921	19-AUG-2009	01:45:14.919	01:47:18.984	124.06500
MI	74922	19-AUG-2009	03:19:06.985	03:21:43.555	156.57000
MI	74923	19-AUG-2009	05:01:47.048	05:04:05.181	138.13300
MI	74929	19-AUG-2009	15:39:19.715	15:41:43.549	143.83400
MI	74930	19-AUG-2009	17:20:00.267	17:22:24.654	144.38700
MM	74920	19-AUG-2009	01:04:16.751	01:05:47.230	90.479000
MM	74921	19-AUG-2009	02:46:56.907	02:48:11.856	74.949000
MM	74924	19-AUG-2009	07:53:12.605	07:54:27.212	74.607000
MM	74925	19-AUG-2009	09:33:36.709	09:35:06.822	90.113000
MM	74928	19-AUG-2009	14:33:18.261	14:34:52.136	93.875000
MM	74929	19-AUG-2009	16:12:41.432	16:14:31.745	110.31300
MM	74931	19-AUG-2009	19:31:02.103	19:33:10.453	128.35000
MM	74932	19-AUG-2009	21:10:35.216	21:12:38.060	122.84400
MM	74933	19-AUG-2009	22:50:53.472	22:52:37.160	103.68800
BE	74921	19-AUG-2009	02:10:57.737	02:13:44.646	166.90900

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	74920	19-AUG-2009	00:52:26.334	01:06:12.443	826.10900
KS	74920	19-AUG-2009	00:15:56.863	00:19:32.903	216.04000
SG	74921	19-AUG-2009	02:23:20.995	02:34:05.788	644.79300
BE	74922	19-AUG-2009	03:50:14.233	04:02:46.704	752.47100
MM	74922	19-AUG-2009	04:30:01.742	04:36:08.074	366.33200
SG	74922	19-AUG-2009	04:01:15.267	04:14:24.139	788.87200
CM	74922	19-AUG-2009	03:18:57.505	03:29:54.054	656.54900
CM	74922	19-AUG-2009	04:58:23.555	05:08:49.795	626.24000

MM	74923	19-AUG-2009	06:12:14.185	06:18:23.995	369.81000
JO	74924	19-AUG-2009	07:30:53.766	07:44:57.937	844.17100
JO	74925	19-AUG-2009	09:10:26.653	09:23:57.944	811.29100
HO	74926	19-AUG-2009	11:24:03.948	11:35:02.760	658.81200
MM	74926	19-AUG-2009	11:13:44.457	11:25:43.837	719.38000
HO	74927	19-AUG-2009	13:02:13.507	13:17:02.596	889.08900
MM	74927	19-AUG-2009	12:53:38.761	13:06:17.462	758.70100
HO	74928	19-AUG-2009	14:42:36.688	14:53:07.054	630.36600
GS	74928	19-AUG-2009	13:56:17.563	14:03:15.775	418.21200
SG	74928	19-AUG-2009	14:56:46.181	15:10:05.587	799.40600
BE	74929	19-AUG-2009	15:07:33.916	15:19:31.354	717.43800
GS	74929	19-AUG-2009	15:33:22.883	15:47:08.692	825.80900
SG	74929	19-AUG-2009	16:37:24.527	16:47:39.547	615.02000
CM	74929	19-AUG-2009	15:42:41.745	15:53:45.108	663.36300
MM	74930	19-AUG-2009	17:51:51.581	18:04:24.005	752.42400
GS	74930	19-AUG-2009	17:13:10.799	17:25:24.600	733.80100
CM	74930	19-AUG-2009	17:22:10.174	17:32:29.888	619.71400
KS	74931	19-AUG-2009	18:37:05.777	18:50:48.780	823.00300
JO	74931	19-AUG-2009	19:50:58.879	20:04:27.260	808.38100
JO	74932	19-AUG-2009	21:29:56.935	21:44:03.155	846.22000
HO	74933	19-AUG-2009	22:42:32.184	22:55:26.469	774.28500
MA	74933	19-AUG-2009	21:49:57.482	22:01:35.403	697.92100

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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	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

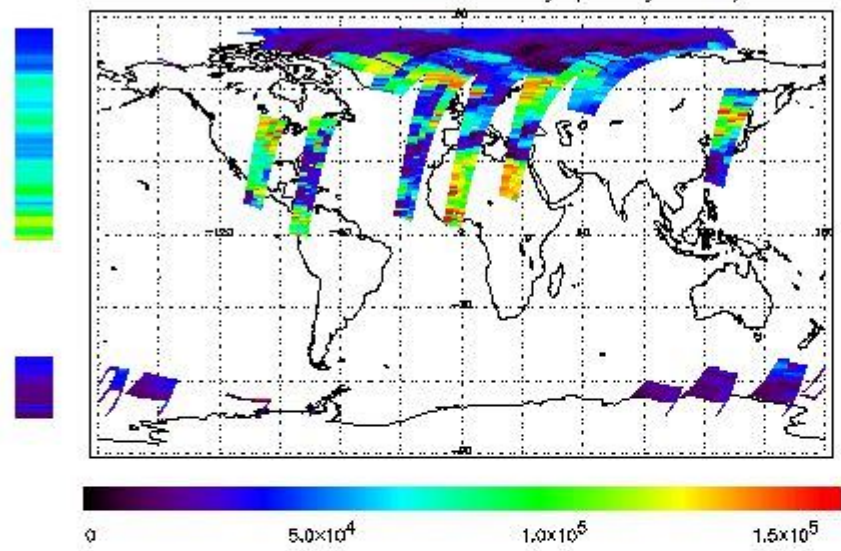
(1)

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

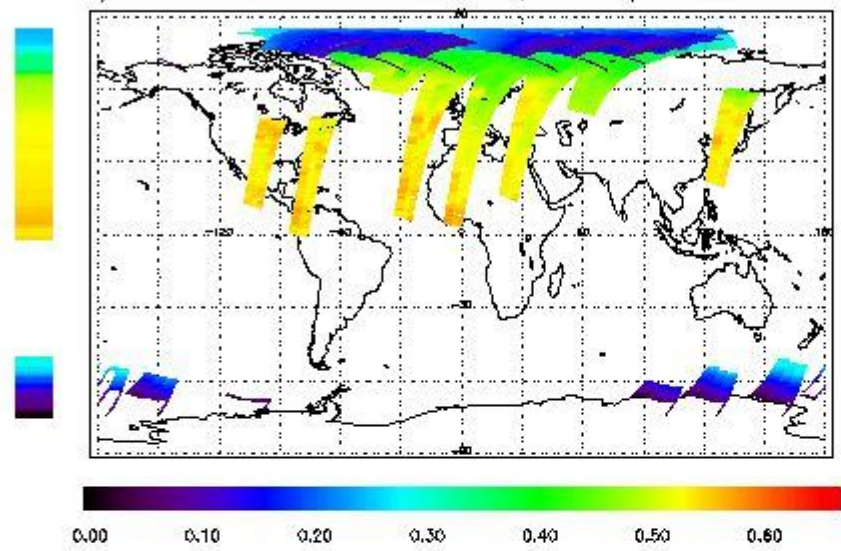
First Product : 19-AUG-2008 00:00:37.836 : ORBIT : 74920.0203

Last Product : 19-AUG-2008 23:52:40.529 : ORBIT : 74934.2555

Total Products Processed : 17607 Day : 231

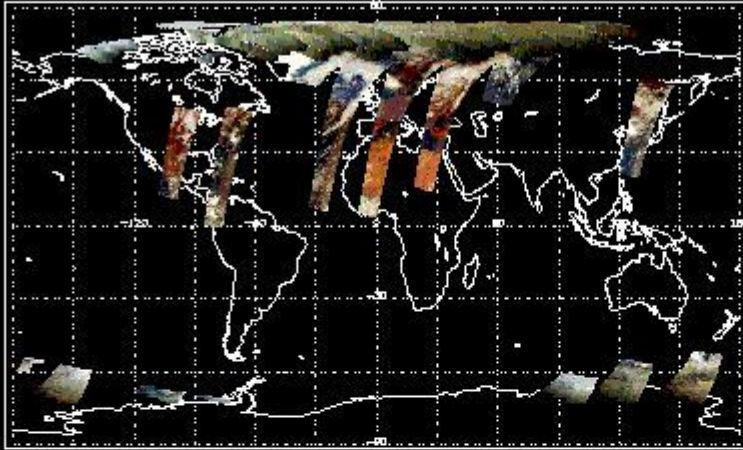
Page : 20

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)
--	--	--	--	--

(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
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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