

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	13-AUG-2009
Start Time of First Product	23:48:58 (12-AUG-2009)
Stop Time of Last Product	23:41:20
Number of EGOI Products analysed	39
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090813BEEP0427.E2	13-AUG-2009	02:02:37.393
EGOI_090813BEEP0434.E2	13-AUG-2009	03:47:29.026
EGOI_090813GSEP6580.E2	13-AUG-2009	01:36:47.737
EGOI_090813GSEP6608.E2	13-AUG-2009	03:14:54.331
EGOI_090813GSEP6618.E2	13-AUG-2009	04:57:35.452
EGOI_090813HLEP3013.E2	13-AUG-2009	00:46:42.935
EGOI_090813HLEP3018.E2	13-AUG-2009	12:55:51.848
EGOI_090813HLEP3028.E2	13-AUG-2009	14:36:02.956
EGOI_090813HLEP3036.E2	13-AUG-2009	22:37:56.874

EGOI_090813KSEP3610.E2	13-AUG-2009	00:05:24.681
EGOI_090813KSEP3628.E2	13-AUG-2009	06:56:15.170
EGOI_090813KSEP3649.E2	13-AUG-2009	08:36:14.279
EGOI_090813KSEP3671.E2	13-AUG-2009	10:15:53.879
EGOI_090813KSEP3695.E2	13-AUG-2009	11:55:25.980
EGOI_090813KSEP3717.E2	13-AUG-2009	13:34:23.583
EGOI_090813KSEP3745.E2	13-AUG-2009	15:13:04.682
EGOI_090813KSEP3765.E2	13-AUG-2009	16:50:33.776
EGOI_090813KSEP3799.E2	13-AUG-2009	18:28:26.863
EGOI_090813KSEP3835.E2	13-AUG-2009	20:07:12.462
EGOI_090813KSEP3867.E2	13-AUG-2009	21:48:14.576
EGOI_090813KSEP3889.E2	13-AUG-2009	23:31:36.202
EGOI_090813MAEP2677.E2	13-AUG-2009	08:44:39.830
EGOI_090813MAEP2691.E2	13-AUG-2009	10:23:19.422
EGOI_090813MAEP2711.E2	13-AUG-2009	20:01:36.430
EGOI_090813MIEP6447.E2	13-AUG-2009	03:10:19.803
EGOI_090813MIEP6472.E2	13-AUG-2009	04:51:44.417
EGOI_090813MIEP6492.E2	13-AUG-2009	15:30:33.284
EGOI_090813MIEP6518.E2	13-AUG-2009	17:10:38.391
EGOI_090813MMEP7169.E2	13-AUG-2009	00:54:08.474
EGOI_090813MMEP7175.E2	13-AUG-2009	02:36:25.600
EGOI_090813MMEP7182.E2	13-AUG-2009	04:19:09.718
EGOI_090813MMEP7189.E2	13-AUG-2009	06:01:35.839
EGOI_090813MMEP7196.E2	13-AUG-2009	07:42:54.455
EGOI_090813MMEP7204.E2	13-AUG-2009	09:23:38.562
EGOI_090813MSEP3615.E2	12-AUG-2009	23:48:57.588
EGOI_090813MSEP3639.E2	13-AUG-2009	10:30:20.965
EGOI_090813MSEP3668.E2	13-AUG-2009	12:08:18.559
EGOI_090813MSEP3694.E2	13-AUG-2009	21:40:31.029
EGOI_090813MSEP3726.E2	13-AUG-2009	23:17:22.620

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74834	13-AUG-2009	00:03:26.995	00:05:24.680	117.68500
KS	74838	13-AUG-2009	06:54:16.628	06:56:15.170	118.54200
KS	74839	13-AUG-2009	08:33:40.963	08:36:14.278	153.31500
KS	74840	13-AUG-2009	10:13:18.637	10:15:53.879	155.24200
KS	74841	13-AUG-2009	11:52:47.253	11:55:25.980	158.72700
KS	74842	13-AUG-2009	13:31:48.751	13:34:23.583	154.83200
KS	74843	13-AUG-2009	15:10:13.450	15:13:04.682	171.23200
KS	74844	13-AUG-2009	16:47:50.069	16:50:33.776	163.70700

KS	74845	13-AUG-2009	18:25:49.993	18:28:26.863	156.87000
KS	74846	13-AUG-2009	20:05:02.626	20:07:12.461	129.83500
KS	74847	13-AUG-2009	21:46:08.054	21:48:14.575	126.52100
KS	74848	13-AUG-2009	23:29:53.913	23:31:36.202	102.28900
GS	74835	13-AUG-2009	01:34:36.102	01:36:47.736	131.63400
GS	74836	13-AUG-2009	03:12:41.413	03:14:54.330	132.91700
MS	74834	12-AUG-2009	23:46:33.574	23:48:57.588	144.01400
MS	74840	13-AUG-2009	10:27:38.210	10:30:20.964	162.75400
MS	74841	13-AUG-2009	12:05:46.929	12:08:18.558	151.62900
MS	74848	13-AUG-2009	23:14:55.089	23:17:22.620	147.53100
MA	74839	13-AUG-2009	08:42:36.012	08:44:39.829	123.81700
MA	74840	13-AUG-2009	10:21:21.997	10:23:19.421	117.42400
MA	74846	13-AUG-2009	19:58:05.951	20:01:36.430	210.47900
MI	74836	13-AUG-2009	03:07:53.181	03:10:19.803	146.62200
MI	74837	13-AUG-2009	04:49:23.754	04:51:44.417	140.66300
MI	74843	13-AUG-2009	15:28:07.077	15:30:33.284	146.20700
MI	74844	13-AUG-2009	17:08:12.215	17:10:38.391	146.17600
MM	74834	13-AUG-2009	00:52:36.325	00:54:08.473	92.148000
MM	74835	13-AUG-2009	02:35:10.544	02:36:25.600	75.056000
MM	74838	13-AUG-2009	07:41:42.552	07:42:54.454	71.902000
MM	74839	13-AUG-2009	09:22:09.210	09:23:38.561	89.351000
BE	74835	13-AUG-2009	01:59:48.571	02:02:37.392	168.82100
BE	74836	13-AUG-2009	03:38:46.249	03:47:29.025	522.77600

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
SG	74835	13-AUG-2009	02:12:47.313	02:22:01.800	554.48700
SG	74836	13-AUG-2009	03:49:43.231	04:03:17.279	814.04800
CM	74836	13-AUG-2009	03:08:07.776	03:18:10.881	603.10500
CM	74836	13-AUG-2009	04:46:36.453	04:57:51.962	675.50900
JO	74838	13-AUG-2009	07:19:54.515	07:33:24.721	810.20600
JO	74839	13-AUG-2009	08:58:44.868	09:12:51.854	846.98600
MM	74840	13-AUG-2009	11:02:18.530	11:14:10.383	711.85300
MM	74841	13-AUG-2009	12:42:14.411	12:54:50.788	756.37700
MM	74842	13-AUG-2009	14:21:55.703	14:34:38.970	763.26700

SG	74842	13-AUG-2009	14:45:43.137	14:58:30.021	766.88400
BE	74843	13-AUG-2009	14:55:51.336	15:08:21.188	749.85200
MM	74843	13-AUG-2009	16:01:20.727	16:13:55.596	754.86900
GS	74843	13-AUG-2009	15:22:04.839	15:35:37.794	812.95500
SG	74843	13-AUG-2009	16:25:28.548	16:36:57.420	688.87200
CM	74843	13-AUG-2009	15:31:46.187	15:41:55.446	609.25900
MM	74844	13-AUG-2009	17:40:31.897	17:53:03.860	751.96300
GS	74844	13-AUG-2009	17:01:41.775	17:14:24.185	762.41000
CM	74844	13-AUG-2009	17:10:28.923	17:21:37.723	668.80000
MM	74845	13-AUG-2009	19:19:41.356	19:32:20.952	759.59600
JO	74845	13-AUG-2009	19:39:58.244	19:52:38.372	760.12800
MM	74846	13-AUG-2009	20:59:10.669	21:11:53.977	763.30800
JO	74846	13-AUG-2009	21:18:27.072	21:32:58.333	871.26100
MM	74847	13-AUG-2009	22:39:22.802	22:51:42.800	739.99800
MA	74847	13-AUG-2009	21:37:41.032	21:50:26.395	765.36300

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1.5 - List of corrupted products

Station	Orbit	Time
HL	74834	00:49:53.454

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

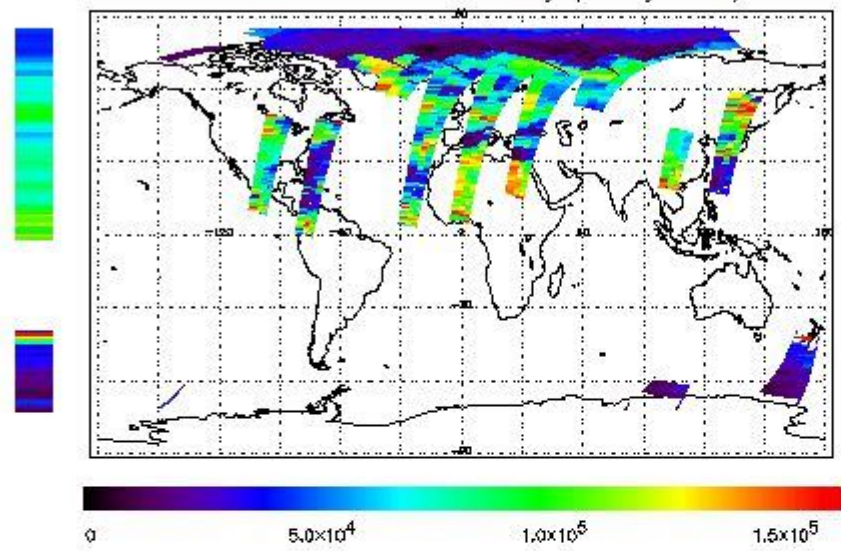
(1)

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

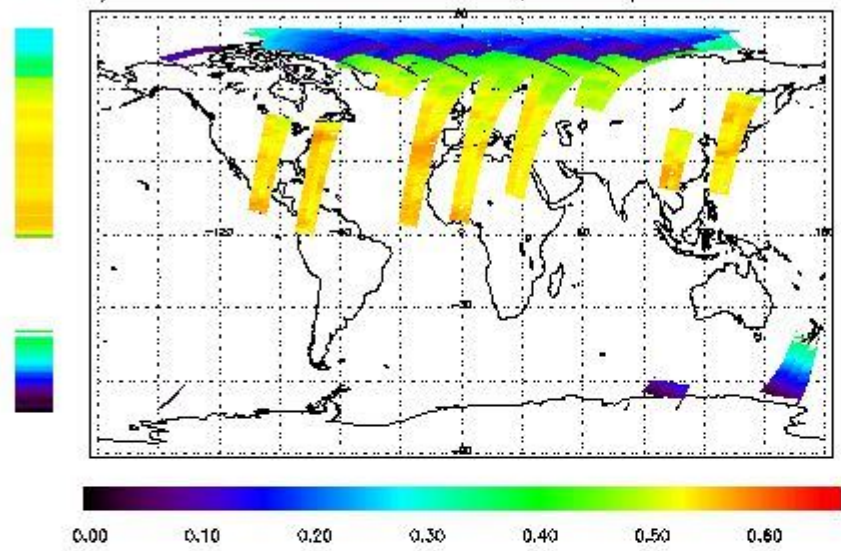
First Product : 12-AUG-2008 23:48:57.588 : ORBIT : 74834.0186

Last Product : 13-AUG-2008 23:41:19.764 : ORBIT : 74848.2570

Total Products Processed : 17788 Day : 225

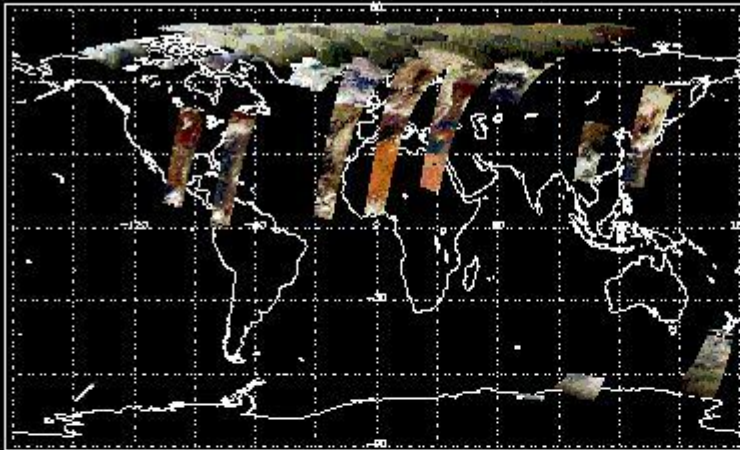
Page : 20

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	18:33:02.090	--	74845	Y	--	14872

(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)
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(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)
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(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
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(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