

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	12-AUG-2009
Start Time of First Product	00:21:21
Stop Time of Last Product	22:33:08
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_090812GSEP6515.E2	12-AUG-2009	02:07:18.190
EGOI_090812GSEP6542.E2	12-AUG-2009	03:46:39.791
EGOI_090812GSEP6551.E2	12-AUG-2009	05:29:11.912
EGOI_090812HLEP2977.E2	12-AUG-2009	01:18:56.895
EGOI_090812HLEP2984.E2	12-AUG-2009	11:48:29.214
EGOI_090812HLEP2992.E2	12-AUG-2009	13:27:08.816
EGOI_090812HLEP3001.E2	12-AUG-2009	15:07:58.923
EGOI_090812KSEP3337.E2	12-AUG-2009	07:27:32.130
EGOI_090812KSEP3359.E2	12-AUG-2009	09:07:32.736

EGOI_090812KSEP3387.E2	12-AUG-2009	10:47:12.341
EGOI_090812KSEP3415.E2	12-AUG-2009	12:26:32.445
EGOI_090812KSEP3433.E2	12-AUG-2009	14:05:31.543
EGOI_090812KSEP3463.E2	12-AUG-2009	15:43:32.141
EGOI_090812KSEP3495.E2	12-AUG-2009	17:21:20.731
EGOI_090812KSEP3531.E2	12-AUG-2009	18:59:10.826
EGOI_090812KSEP3556.E2	12-AUG-2009	20:38:41.428
EGOI_090812KSEP3586.E2	12-AUG-2009	22:20:28.544
EGOI_090812MAEP2639.E2	12-AUG-2009	09:15:20.783
EGOI_090812MAEP2649.E2	12-AUG-2009	10:54:51.388
EGOI_090812MAEP2664.E2	12-AUG-2009	20:32:06.889
EGOI_090812MIEP6364.E2	12-AUG-2009	02:05:04.678
EGOI_090812MIEP6384.E2	12-AUG-2009	03:41:54.764
EGOI_090812MIEP6402.E2	12-AUG-2009	14:25:42.164
EGOI_090812MIEP6417.E2	12-AUG-2009	16:01:33.751
EGOI_090812MIEP6425.E2	12-AUG-2009	17:43:26.868
EGOI_090812MMEP7124.E2	12-AUG-2009	01:26:11.942
EGOI_090812MMEP7131.E2	12-AUG-2009	03:08:42.561
EGOI_090812MMEP7141.E2	12-AUG-2009	11:35:29.136
EGOI_090812MMEP7147.E2	12-AUG-2009	13:15:11.742
EGOI_090812MMEP7157.E2	12-AUG-2009	14:54:46.844
EGOI_090812MSEP3507.E2	12-AUG-2009	00:21:20.547
EGOI_090812MSEP3527.E2	12-AUG-2009	11:00:27.423
EGOI_090812MSEP3554.E2	12-AUG-2009	12:39:56.527
EGOI_090812MSEP3585.E2	12-AUG-2009	22:10:10.489

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74824	12-AUG-2009	07:25:27.156	07:27:32.130	124.97400
KS	74825	12-AUG-2009	09:04:59.598	09:07:32.735	153.13700
KS	74826	12-AUG-2009	10:44:36.256	10:47:12.340	156.08400
KS	74827	12-AUG-2009	12:23:58.449	12:26:32.445	153.99600
KS	74828	12-AUG-2009	14:02:51.921	14:05:31.542	159.62100
KS	74829	12-AUG-2009	15:40:50.683	15:43:32.141	161.45800
KS	74830	12-AUG-2009	17:18:41.011	17:21:20.731	159.72000
KS	74831	12-AUG-2009	18:56:50.915	18:59:10.826	139.91100
KS	74832	12-AUG-2009	20:36:34.999	20:38:41.428	126.42900
KS	74833	12-AUG-2009	22:18:24.062	22:20:28.543	124.48100
GS	74821	12-AUG-2009	02:04:57.404	02:07:18.189	140.78500
GS	74822	12-AUG-2009	03:44:27.245	03:46:39.790	132.54500

MS	74820	12-AUG-2009	00:18:57.894	00:21:20.546	142.65200
MS	74826	12-AUG-2009	10:57:45.878	11:00:27.423	161.54500
MS	74827	12-AUG-2009	12:37:22.158	12:39:56.526	154.36800
MS	74833	12-AUG-2009	22:08:02.038	22:10:10.489	128.45100
MS	74834	12-AUG-2009	23:46:33.574	23:48:57.588	144.01400
MA	74825	12-AUG-2009	09:13:33.778	09:15:20.783	107.00500
MA	74826	12-AUG-2009	10:52:48.328	10:54:51.388	123.06000
MA	74832	12-AUG-2009	20:28:47.807	20:32:06.888	199.08100
MI	74821	12-AUG-2009	02:02:41.703	02:05:04.677	142.97400
MI	74822	12-AUG-2009	03:38:58.144	03:41:54.764	176.62000
MI	74828	12-AUG-2009	14:23:33.683	14:25:42.164	128.48100
MI	74829	12-AUG-2009	15:59:05.584	16:01:33.751	148.16700
MI	74830	12-AUG-2009	17:41:07.337	17:43:26.867	139.53000
MM	74820	12-AUG-2009	01:24:44.459	01:26:11.941	87.482000
MM	74821	12-AUG-2009	03:07:33.914	03:08:42.560	68.646000
MM	74826	12-AUG-2009	11:33:44.408	11:35:29.135	104.72700
MM	74827	12-AUG-2009	13:13:35.909	13:15:11.741	95.832000
MM	74828	12-AUG-2009	14:53:12.213	14:54:46.843	94.630000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
BE	74821	12-AUG-2009	02:30:36.244	02:43:38.968	782.72400
SG	74821	12-AUG-2009	02:42:17.749	02:54:46.451	748.70200
CM	74821	12-AUG-2009	03:38:13.232	03:50:10.138	716.90600
BE	74822	12-AUG-2009	04:10:23.041	04:22:02.092	699.05100
MM	74822	12-AUG-2009	04:50:34.909	04:56:28.249	353.34000
SG	74822	12-AUG-2009	04:21:40.694	04:33:35.558	714.86400
MM	74823	12-AUG-2009	06:32:30.465	06:38:59.872	389.40700
CM	74823	12-AUG-2009	05:19:28.210	05:27:36.148	487.93800
MM	74824	12-AUG-2009	08:13:19.236	08:22:04.630	525.39400
JO	74824	12-AUG-2009	07:50:19.780	08:05:03.669	883.88900
MM	74825	12-AUG-2009	09:53:39.355	10:04:31.590	652.23500
JO	74825	12-AUG-2009	09:31:11.498	09:43:10.586	719.08800
GS	74828	12-AUG-2009	14:15:08.985	14:24:51.346	582.36100
SG	74828	12-AUG-2009	15:16:20.328	15:30:09.959	829.63100

BE	74829	12-AUG-2009	15:28:18.718	15:38:54.296	635.57800
MM	74829	12-AUG-2009	16:32:32.229	16:45:04.937	752.70800
GS	74829	12-AUG-2009	15:53:13.015	16:07:08.895	835.88000
SG	74829	12-AUG-2009	16:58:57.584	17:05:41.351	403.76700
CM	74829	12-AUG-2009	16:02:05.822	16:14:07.638	721.81600
MM	74830	12-AUG-2009	18:11:41.038	18:24:14.619	753.58100
GS	74830	12-AUG-2009	17:33:20.232	17:44:31.054	670.82200
CM	74830	12-AUG-2009	17:42:57.962	17:51:05.910	487.94800
MM	74831	12-AUG-2009	19:50:54.144	20:03:36.378	762.23400
MA	74831	12-AUG-2009	18:55:53.079	19:00:17.537	264.45800
JO	74831	12-AUG-2009	20:10:26.760	20:24:52.330	865.57000
MM	74832	12-AUG-2009	21:30:34.624	21:43:14.581	759.95700
JO	74832	12-AUG-2009	21:50:11.970	22:03:13.769	781.79900
HO	74833	12-AUG-2009	23:01:58.888	23:15:29.544	810.65600
MM	74833	12-AUG-2009	23:11:04.103	23:23:07.919	723.81600
MA	74833	12-AUG-2009	22:11:22.161	22:20:55.030	572.86900
MS	74834	12-AUG-2009	23:46:33.574	23:59:20.390	766.81600

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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

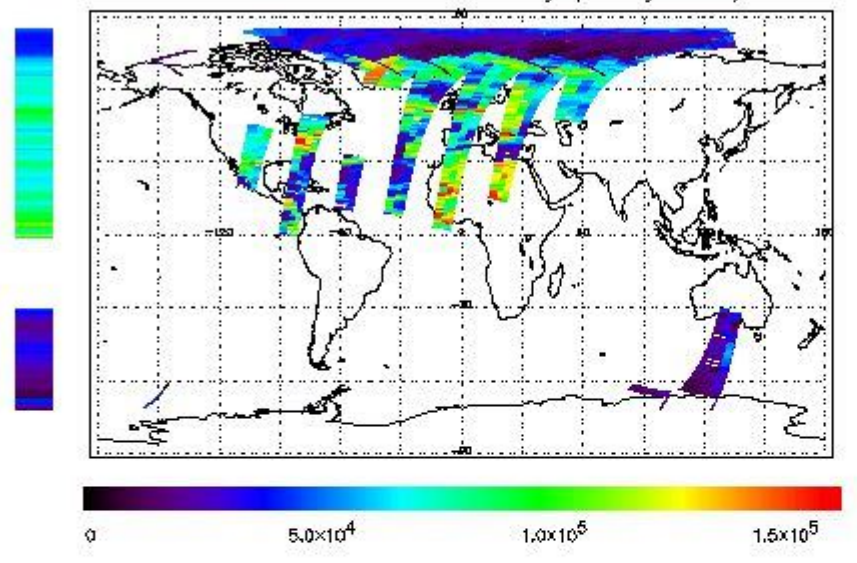
(1)

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)



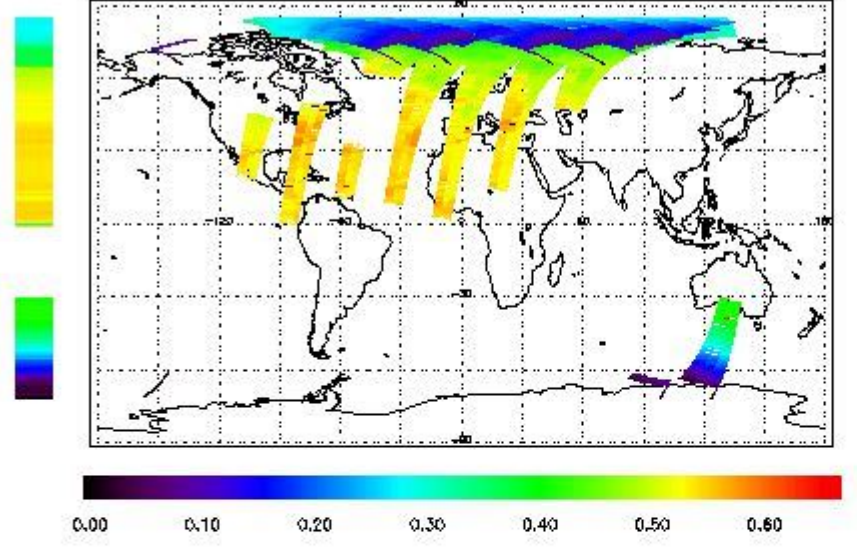
Ozone Line Ratio

First Product : 12-AUG-2008 00:21:20.547 : ORBIT : 74820.0262
Last Product : 12-AUG-2008 22:33:07.622 : ORBIT : 74833.2647

Total Products Processed : 18419 Day : 224

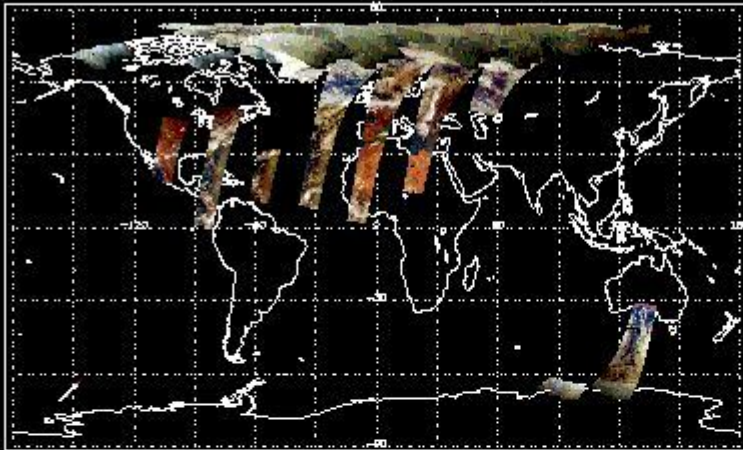
Page : 20

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	19:04:30.360	--	74831	Y	--	14875

(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