GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	14-AUG-2010
Start Time of First Product	23:45:24 (13-Aug)
Stop Time of Last Product	23:37:55
Number of EGOI Products analysed	44
Number of corrupted products	--
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 80084

1.2 - List of received products

Name	Date	Time
EGOI_100814GSEP2812.E2	14-AUG-2010	01:33:19.707
EGOI_100814GSEP2839.E2	14-AUG-2010	03:11:12.800
EGOI_100814GSEP2847.E2	14-AUG-2010	04:54:13.428
EGOI_100814HLEP6840.E2	14-AUG-2010	00:49:29.931
EGOI_100814HLEP6847.E2	14-AUG-2010	02:26:48.527
EGOI_100814HLEP6854.E2	14-AUG-2010	14:29:57.425
EGOI_100814HLEP6862.E2	14-AUG-2010	22:30:47.572
EGOI_100814KSEP7614.E2	14-AUG-2010	06:52:48.643
EGOI_100814KSEP7633.E2	14-AUG-2010	08:32:47.750

EGOI_100814KSEP7655.E2	14-AUG-2010	10:12:28.863
EGOI_100814KSEP7677.E2	14-AUG-2010	11:52:00.962
EGOI_100814KSEP7695.E2	14-AUG-2010	13:30:58.569
EGOI_100814KSEP7720.E2	14-AUG-2010	15:09:39.667
EGOI_100814KSEP7749.E2	14-AUG-2010	16:47:07.981
EGOI_100814KSEP7780.E2	14-AUG-2010	18:25:04.077
EGOI_100814KSEP7807.E2	14-AUG-2010	20:03:48.175
EGOI_100814KSEP7833.E2	14-AUG-2010	21:44:47.294
EGOI_100814KSEP7850.E2	14-AUG-2010	23:28:07.420
EGOI_100814MAEP5619.E2	14-AUG-2010	08:40:55.300
EGOI_100814MAEP5629.E2	14-AUG-2010	10:19:54.406
EGOI_100814MAEP5648.E2	14-AUG-2010	19:57:42.139
EGOI_100814MAEP5670.E2	14-AUG-2010	21:36:41.242
EGOI_100814MIEP8578.E2	14-AUG-2010	03:06:57.773
EGOI_100814MIEP8595.E2	14-AUG-2010	04:48:08.886
EGOI_100814MIEP8605.E2	14-AUG-2010	15:27:11.273
EGOI_100814MIEP8620.E2	14-AUG-2010	17:07:08.102
EGOI_100814MMEP3034.E2	14-AUG-2010	00:50:37.441
EGOI_100814MMEP3041.E2	14-AUG-2010	04:15:41.687
EGOI_100814MMEP3049.E2	14-AUG-2010	05:58:09.311
EGOI_100814MMEP3056.E2	14-AUG-2010	07:39:27.930
EGOI_100814MMEP3064.E2	14-AUG-2010	09:20:12.039
EGOI_100814MMEP3070.E2	14-AUG-2010	11:00:30.650
EGOI_100814MMEP3078.E2	14-AUG-2010	12:40:23.764
EGOI_100814MMEP3091.E2	14-AUG-2010	20:57:41.009
EGOI_100814MSEP5881.E2	13-AUG-2010	23:45:23.544
EGOI_100814MSEP5900.E2	14-AUG-2010	10:27:01.951
EGOI_100814MSEP5929.E2	14-AUG-2010	12:04:53.540
EGOI_100814MSEP5938.E2	14-AUG-2010	13:47:48.171
EGOI_100814MSEP5957.E2	14-AUG-2010	21:37:20.251
EGOI_100814MSEP5989.E2	14-AUG-2010	23:14:04.338
EGOI_100814SGEP7378.E2	14-AUG-2010	02:11:52.937
EGOI_100814SGEP7384.E2	14-AUG-2010	03:48:49.023
EGOI_100814SGEP7391.E2	14-AUG-2010	14:46:53.031
EGOI_100814SGEP7398.E2	14-AUG-2010	16:24:45.344

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	80077	14-AUG-2010	06:51:26.929	06:52:48.643	81.714000
KS	80078	14-AUG-2010	08:30:50.218	08:32:47.749	117.53100
KS	80079	14-AUG-2010	10:10:27.894	10:12:28.863	120.96900
KS	80080	14-AUG-2010	11:49:57.006	11:52:00.962	123.95600

KS	80081	14-AUG-2010	13:28:59.553	13:30:58.568	119.01500
KS	80082	14-AUG-2010	15:07:26.939	15:09:39.666	132.72700
KS	80083	14-AUG-2010	16:45:03.690	16:47:07.981	124.29100
KS	80084	14-AUG-2010	18:23:01.202	18:25:04.077	122.87500
KS	80085	14-AUG-2010	20:02:11.162	20:03:48.175	97.013000
KS	80086	14-AUG-2010	21:43:12.840	21:44:47.293	94.453000
KS	80087	14-AUG-2010	23:26:52.886	23:28:07.420	74.534000
GS	80074	14-AUG-2010	01:31:51.918	01:33:19.706	87.788000
GS	80075	14-AUG-2010	03:09:49.598	03:11:12.799	83.201000
MS	80079	14-AUG-2010	10:24:53.842	10:27:01.951	128.10900
MS	80080	14-AUG-2010	12:02:55.692	12:04:53.539	117.84700
MS	80087	14-AUG-2010	23:12:04.367	23:14:04.337	119.97000
MA	80078	14-AUG-2010	08:39:42.579	08:40:55.300	72.721000
MA	80079	14-AUG-2010	10:18:32.230	10:19:54.405	82.175000
MA	80085	14-AUG-2010	19:55:19.908	19:57:42.139	142.23100
MA	80086	14-AUG-2010	21:34:46.502	21:36:41.242	114.74000
MI	80075	14-AUG-2010	03:05:05.524	03:06:57.772	112.24800
MI	80076	14-AUG-2010	04:46:21.034	04:48:08.886	107.85200
MI	80082	14-AUG-2010	15:25:19.556	15:27:11.273	111.71700
MI	80083	14-AUG-2010	17:05:16.313	17:07:08.102	111.78900
MM	80079	14-AUG-2010	10:59:27.023	11:00:30.649	63.626000
MM	80080	14-AUG-2010	12:39:23.296	12:40:23.763	60.467000
MM	80085	14-AUG-2010	20:56:19.625	20:57:41.008	81.383000
SG	80074	14-AUG-2010	02:10:11.599	02:11:52.936	101.33700
SG	80075	14-AUG-2010	03:46:51.041	03:48:49.022	117.98100
SG	80081	14-AUG-2010	14:42:58.400	14:46:53.030	234.63000
SG	80082	14-AUG-2010	16:22:31.134	16:24:45.344	134.21000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	80073	14-AUG-2010	00:37:54.299	00:52:11.173	856.87400
KS	80073	14-AUG-2010	00:00:21.745	00:05:49.729	327.98400
BE	80074	14-AUG-2010	01:57:01.878	02:08:38.125	696.24700
MM	80074	14-AUG-2010	02:32:14.024	02:40:45.199	511.17500
BE	80075	14-AUG-2010	03:35:54.540	03:48:53.337	778.79700

CM	80075	14-AUG-2010	03:05:26.844	03:15:13.888	587.04400
CM	80075	14-AUG-2010	04:43:40.978	04:55:06.367	685.38900
JO	80077	14-AUG-2010	07:17:10.584	07:30:30.876	800.29200
JO	80078	14-AUG-2010	08:55:50.339	09:10:04.661	854.32200
HO	80081	14-AUG-2010	14:28:08.985	14:40:10.301	721.31600
MM	80081	14-AUG-2010	14:19:05.030	14:31:48.430	763.40000
SG	80081	14-AUG-2010	14:42:58.400	14:55:35.189	756.78900
BE	80082	14-AUG-2010	14:52:56.539	15:05:33.146	756.60700
MM	80082	14-AUG-2010	15:58:30.522	16:11:05.629	755.10700
GS	80082	14-AUG-2010	15:19:15.590	15:32:44.462	808.87200
CM	80082	14-AUG-2010	15:29:03.736	15:38:56.439	592.70300
MM	80083	14-AUG-2010	17:37:41.972	17:50:13.845	751.87300
GS	80083	14-AUG-2010	16:58:49.728	17:11:38.514	768.78600
CM	80083	14-AUG-2010	17:07:34.582	17:18:53.432	678.85000
MM	80084	14-AUG-2010	19:16:51.212	19:29:30.542	759.33000
JO	80084	14-AUG-2010	19:37:14.050	19:49:39.949	745.89900
JO	80085	14-AUG-2010	21:15:35.061	21:30:11.367	876.30600
HO	80086	14-AUG-2010	22:28:52.388	22:41:06.923	734.53500
MM	80086	14-AUG-2010	22:36:30.260	22:48:51.494	741.23400

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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

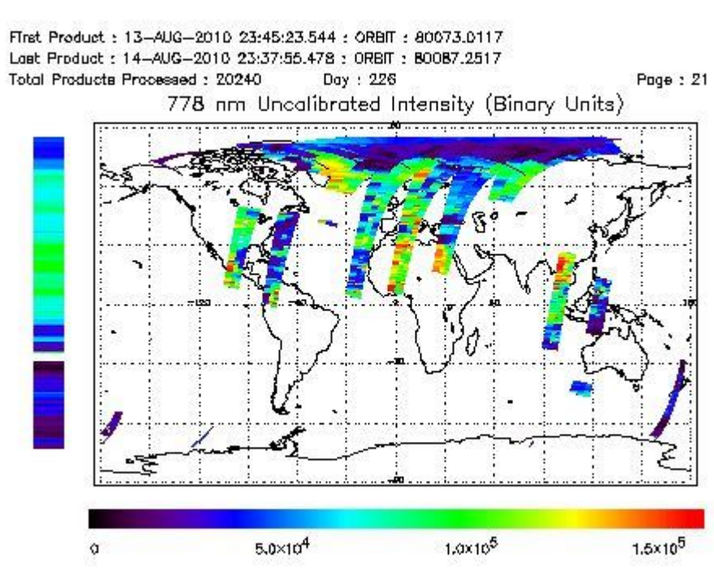
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

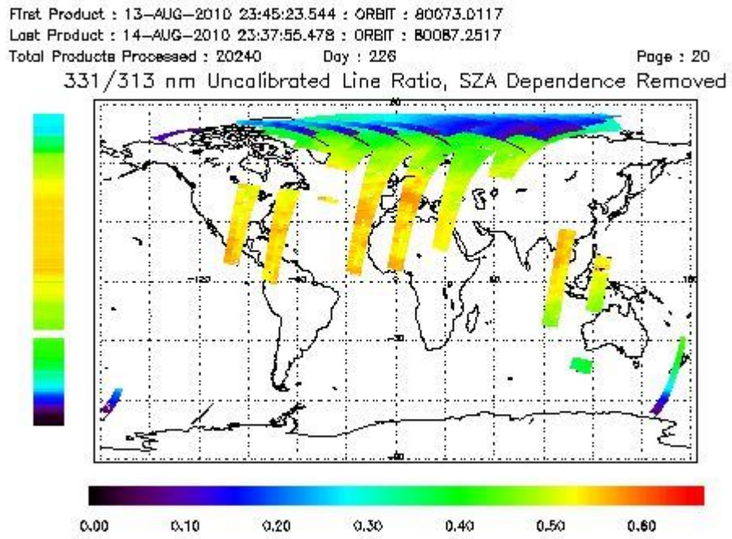
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

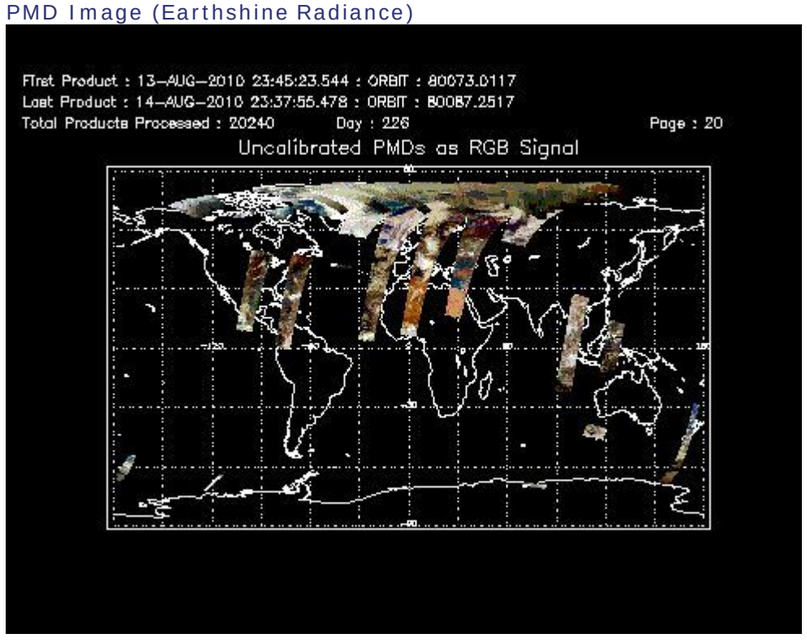
NEAR IR Intensity



Ozone Line Ratio



PMD Image (Earthshine Radiance)



3 - Instrument Calibration

3.1 - Solar Calibration (Daily/TST44)

Daily(D)/TST44(T)	Start Time	End Time (T)	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	16:49:01.992	--	80083	Yes	--	14833

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any)(V)	Lamp Failure N. (if any)
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(1)

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4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
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4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility
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5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
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5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
18:30	--	80084	--

5.6 - **Seasonal Operations**

Start Time	End Time	Start Orbit	End Orbit
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(1) The 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