

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	03-APR-2011
Start Time of First Product	00:23:40
Stop Time of Last Product	22:33:41
Number of EGOI Products analysed	33
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110403CMEP5391.E2	03-APR-2011	03:41:48.991
EGOI_110403CMEP5397.E2	03-APR-2011	05:23:09.108
EGOI_110403CMEP5404.E2	03-APR-2011	16:04:58.045
EGOI_110403CMEP5416.E2	03-APR-2011	17:45:33.157
EGOI_110403GSEP9029.E2	03-APR-2011	00:33:56.840
EGOI_110403GSEP9050.E2	03-APR-2011	02:09:09.424
EGOI_110403GSEP9076.E2	03-APR-2011	03:48:40.034
EGOI_110403GSEP9086.E2	03-APR-2011	05:31:12.162
EGOI_110403KSEP2394.E2	03-APR-2011	07:29:24.889

EGOI_110403KSEP2423.E2	03-APR-2011	09:09:13.496
EGOI_110403KSEP2447.E2	03-APR-2011	10:48:48.607
EGOI_110403KSEP2473.E2	03-APR-2011	12:27:58.214
EGOI_110403KSEP2489.E2	03-APR-2011	14:06:51.320
EGOI_110403KSEP2500.E2	03-APR-2011	15:44:36.920
EGOI_110403KSEP2509.E2	03-APR-2011	17:22:25.523
EGOI_110403KSEP2539.E2	03-APR-2011	19:00:03.614
EGOI_110403KSEP2557.E2	03-APR-2011	20:39:26.725
EGOI_110403KSEP2576.E2	03-APR-2011	22:21:33.352
EGOI_110403MAEP4726.E2	03-APR-2011	10:56:11.149
EGOI_110403MAEP4749.E2	03-APR-2011	20:32:14.679
EGOI_110403MIEP7776.E2	03-APR-2011	02:06:36.409
EGOI_110403MIEP7795.E2	03-APR-2011	03:43:32.502
EGOI_110403MIEP7816.E2	03-APR-2011	14:26:16.938
EGOI_110403MIEP7843.E2	03-APR-2011	16:02:29.529
EGOI_110403MIEP7867.E2	03-APR-2011	17:43:58.650
EGOI_110403MMEP9461.E2	03-APR-2011	18:15:28.841
EGOI_110403MSEP2666.E2	03-APR-2011	00:23:40.277
EGOI_110403MSEP2693.E2	03-APR-2011	11:02:02.185
EGOI_110403MSEP2720.E2	03-APR-2011	12:41:23.797
EGOI_110403MSEP2751.E2	03-APR-2011	22:10:54.285
EGOI_110403SGEP2505.E2	03-APR-2011	02:51:11.178
EGOI_110403SGEP2512.E2	03-APR-2011	04:28:44.776
EGOI_110403SGEP2520.E2	03-APR-2011	17:03:02.898

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	83394	03-APR-2011	00:46:36.606	01:00:36.380	839.77400
MM	83394	03-APR-2011	00:58:26.437	01:08:58.401	631.96400
KS	83394	03-APR-2011	00:09:39.764	00:14:06.321	266.55700
BE	83395	03-APR-2011	02:05:22.707	02:17:27.974	725.26700
MM	83395	03-APR-2011	02:41:03.674	02:49:22.450	498.77600
BE	83396	03-APR-2011	03:44:30.010	03:57:14.135	764.12500
MM	83396	03-APR-2011	04:24:08.953	04:30:20.076	371.12300
MM	83397	03-APR-2011	06:06:26.115	06:12:31.250	365.13500
MI	83397	03-APR-2011	04:55:32.518	05:03:52.186	499.66800

MM	83398	03-APR-2011	07:47:27.635	07:55:35.917	488.28200
JO	83398	03-APR-2011	07:25:23.460	07:39:11.749	828.28900
MM	83399	03-APR-2011	09:27:52.988	09:38:16.601	623.61300
MA	83399	03-APR-2011	08:47:50.091	09:00:12.841	742.75000
JO	83399	03-APR-2011	09:04:35.005	09:18:25.466	830.46100
HO	83400	03-APR-2011	11:18:38.843	11:28:55.495	616.65200
MM	83400	03-APR-2011	11:08:01.517	11:19:57.218	715.70100
HO	83401	03-APR-2011	12:56:33.150	13:11:22.587	889.43700
MM	83401	03-APR-2011	12:47:56.612	13:00:34.212	757.60000
HO	83402	03-APR-2011	14:36:49.155	14:48:20.783	691.62800
MM	83402	03-APR-2011	14:27:37.011	14:40:19.976	762.96500
SG	83402	03-APR-2011	14:51:13.875	15:04:18.531	784.65600
BE	83403	03-APR-2011	15:01:41.928	15:13:56.695	734.76700
MM	83403	03-APR-2011	16:07:01.105	16:19:35.516	754.41100
GS	83403	03-APR-2011	15:27:43.662	15:41:23.724	820.06200
SG	83403	03-APR-2011	16:31:25.165	16:42:19.939	654.77400
MM	83404	03-APR-2011	17:46:11.745	17:58:43.918	752.17300
GS	83404	03-APR-2011	17:07:26.119	17:19:54.856	748.73700
JO	83405	03-APR-2011	19:45:27.845	19:58	

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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

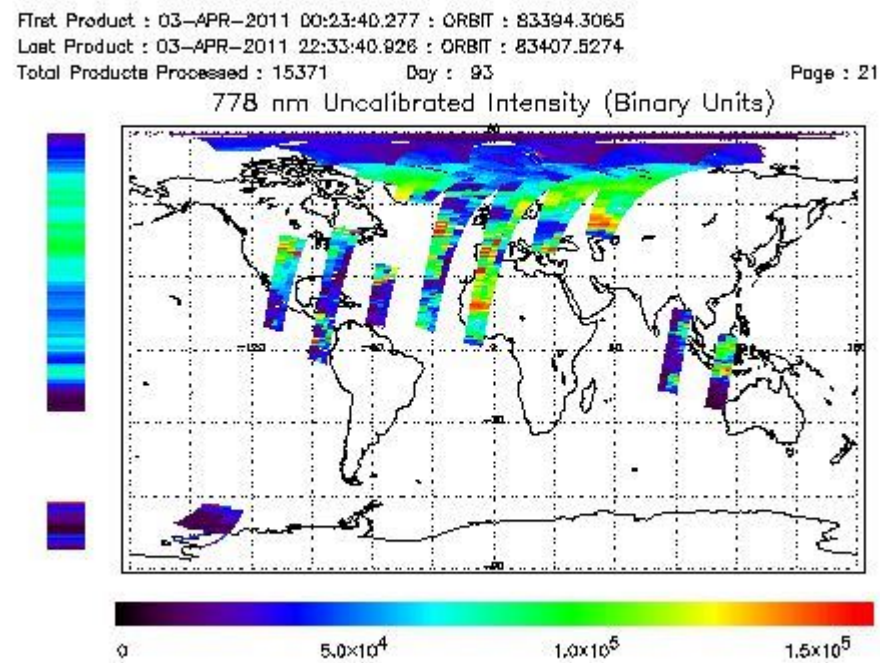
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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 explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

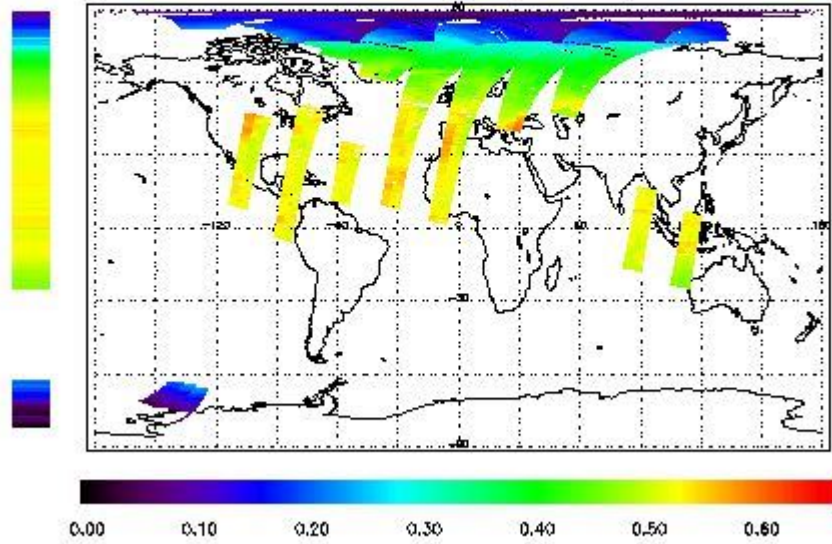


Ozone Line Ratio

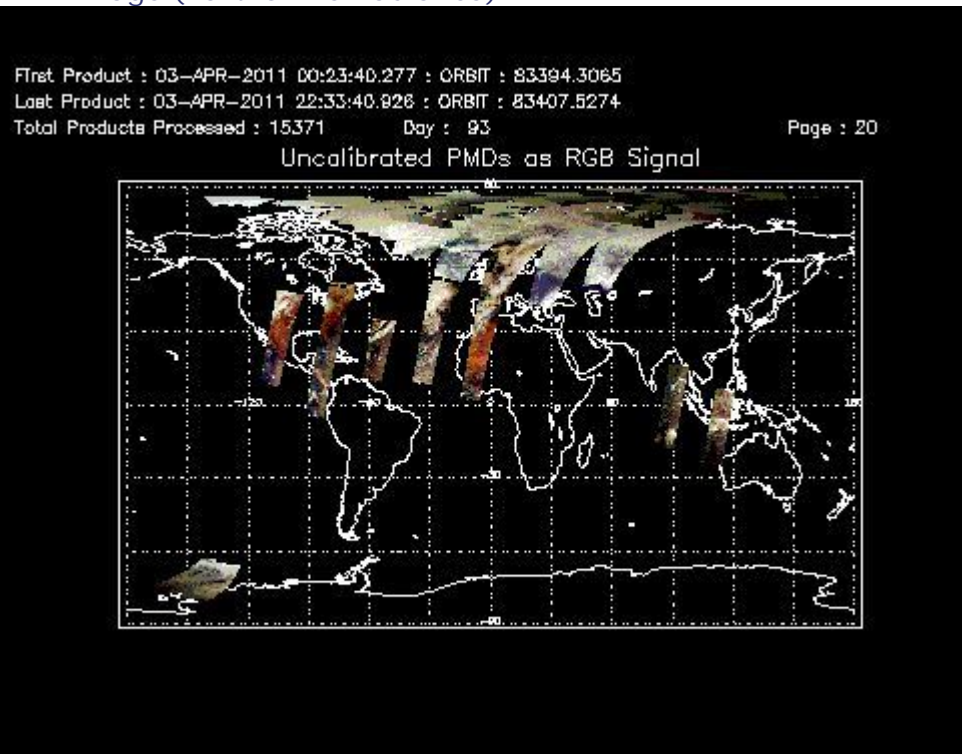
First Product : 03-APR-2011 00:23:40.277 : ORBIT : 83394.3065
 Last Product : 03-APR-2011 22:33:40.926 : ORBIT : 83407.5274
 Total Products Processed : 15371 Day : 93

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	17:28:31	--	83404	Yes	--	15248

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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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
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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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(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