

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-JUL-2011
Start Time of First Product	00:24:16
Stop Time of Last Product	23:26:36
Number of EGOI Products analysed	41
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110702CMEP7854.E2	02-JUL-2011	03:42:01.937
EGOI_110702CMEP7860.E2	02-JUL-2011	05:22:59.554
EGOI_110702CMEP7868.E2	02-JUL-2011	16:06:22.989
EGOI_110702CMEP7875.E2	02-JUL-2011	17:47:46.103
EGOI_110702GSEP5647.E2	02-JUL-2011	03:48:55.984
EGOI_110702GSEP5656.E2	02-JUL-2011	05:31:20.607
EGOI_110702KSEP0619.E2	02-JUL-2011	07:29:30.326
EGOI_110702KSEP0638.E2	02-JUL-2011	09:09:26.436
EGOI_110702KSEP0658.E2	02-JUL-2011	10:49:01.550

EGOI_110702KSEP0682.E2	02-JUL-2011	12:28:11.156
EGOI_110702KSEP0698.E2	02-JUL-2011	14:07:04.258
EGOI_110702KSEP0712.E2	02-JUL-2011	15:44:55.852
EGOI_110702KSEP0722.E2	02-JUL-2011	17:22:36.950
EGOI_110702KSEP0741.E2	02-JUL-2011	19:00:27.048
EGOI_110702KSEP0749.E2	02-JUL-2011	20:39:36.654
EGOI_110702KSEP0767.E2	02-JUL-2011	22:21:31.276
EGOI_110702MAEP0362.E2	02-JUL-2011	09:16:42.978
EGOI_110702MAEP0377.E2	02-JUL-2011	10:56:31.592
EGOI_110702MAEP0383.E2	02-JUL-2011	19:00:18.048
EGOI_110702MAEP0398.E2	02-JUL-2011	20:32:29.111
EGOI_110702MAEP0413.E2	02-JUL-2011	22:14:10.237
EGOI_110702MIEP6756.E2	02-JUL-2011	02:07:11.859
EGOI_110702MIEP6778.E2	02-JUL-2011	14:26:50.875
EGOI_110702MIEP6799.E2	02-JUL-2011	17:44:32.583
EGOI_110702MMEP1034.E2	02-JUL-2011	01:28:41.620
EGOI_110702MMEP1040.E2	02-JUL-2011	03:11:07.750
EGOI_110702MMEP1048.E2	02-JUL-2011	04:53:42.875
EGOI_110702MMEP1056.E2	02-JUL-2011	06:35:40.496
EGOI_110702MMEP1064.E2	02-JUL-2011	08:16:32.119
EGOI_110702MMEP1072.E2	02-JUL-2011	09:57:01.229
EGOI_110702MMEP1080.E2	02-JUL-2011	11:37:19.844
EGOI_110702MMEP1088.E2	02-JUL-2011	13:16:47.449
EGOI_110702MMEP1098.E2	02-JUL-2011	18:15:43.275
EGOI_110702MMEP1108.E2	02-JUL-2011	23:13:31.597
EGOI_110702MSEP3281.E2	02-JUL-2011	00:24:15.733
EGOI_110702MSEP3305.E2	02-JUL-2011	11:02:13.628
EGOI_110702MSEP3332.E2	02-JUL-2011	12:41:35.239
EGOI_110702MSEP3356.E2	02-JUL-2011	22:11:07.217
EGOI_110702SGEP4289.E2	02-JUL-2011	02:47:15.101
EGOI_110702SGEP4297.E2	02-JUL-2011	04:27:23.214
EGOI_110702SGEP4306.E2	02-JUL-2011	17:03:11.333

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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	84682	02-JUL-2011	00:17:43.770	00:32:21.930	878.16000
MM	84682	02-JUL-2011	00:29:18.007	00:40:20.543	662.53600
HO	84683	02-JUL-2011	02:01:23.664	02:09:30.574	486.91000

GS	84683	02-JUL-2011	01:12:49.778	01:23:34.872	645.09400
BE	84684	02-JUL-2011	03:15:55.650	03:29:16.030	800.38000
MI	84684	02-JUL-2011	02:45:41.316	02:58:02.993	741.67700
BE	84685	02-JUL-2011	04:57:01.580	05:04:59.170	477.59000
MI	84685	02-JUL-2011	04:25:23.752	04:36:54.476	690.72400
JO	84686	02-JUL-2011	06:58:14.381	07:10:06.654	712.27300
MA	84687	02-JUL-2011	08:20:07.088	08:31:15.595	668.50700
JO	84687	02-JUL-2011	08:35:37.774	08:50:27.896	890.12200
MS	84688	02-JUL-2011	10:06:04.974	10:13:04.457	419.48300
HO	84689	02-JUL-2011	12:28:22.887	12:42:52.452	869.56500
HO	84690	02-JUL-2011	14:07:57.009	14:21:12.624	795.61500
SG	84690	02-JUL-2011	14:23:59.304	14:34:58.461	659.15700
BE	84691	02-JUL-2011	14:32:41.451	14:45:52.166	790.71500
MM	84691	02-JUL-2011	15:38:38.727	15:51:15.626	756.89900
GS	84691	02-JUL-2011	14:59:34.226	15:12:23.783	769.55700
SG	84691	02-JUL-2011	16:02:02.617	16:15:05.609	782.99200
CM	84691	02-JUL-2011	15:10:31.857	15:17:36.439	424.58200
MM	84692	02-JUL-2011	17:		

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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

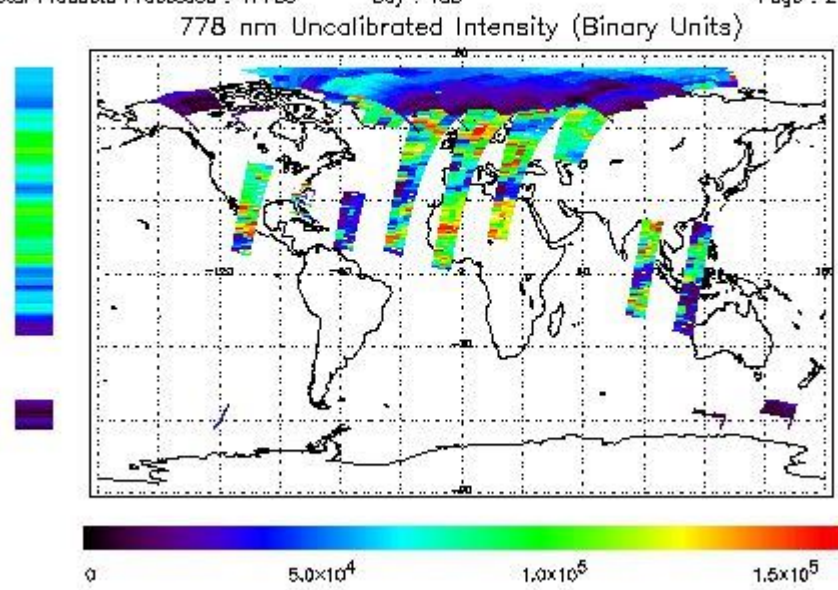
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected 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

First Product : 02-JUL-2011 00:24:15.733 : ORBIT : 84682.5081
 Last Product : 02-JUL-2011 23:26:38.175 : ORBIT : 84698.3392
 Total Products Processed : 17783 Day : 183 Page : 21

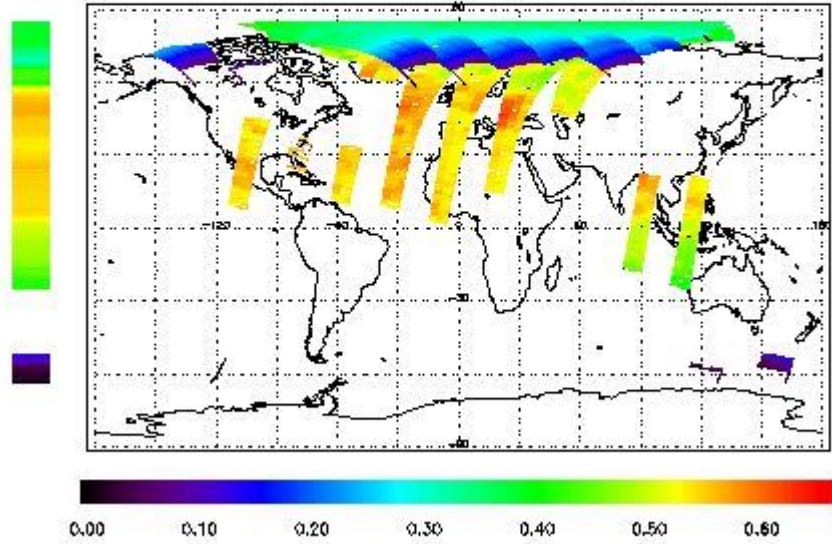


Ozone Line Ratio

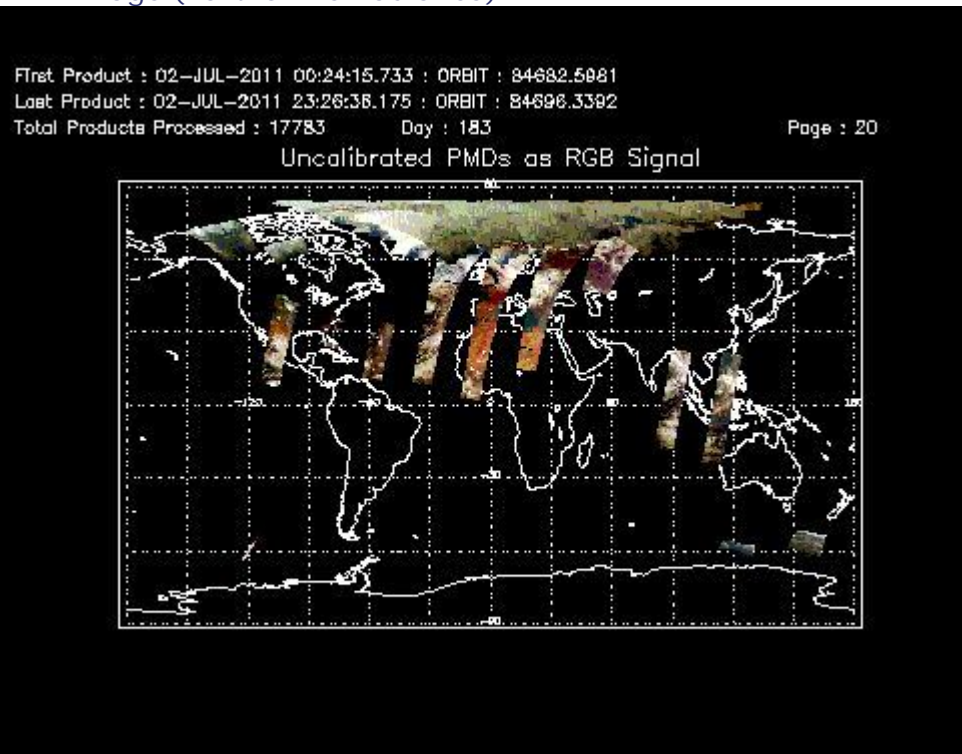
First Product : 02-JUL-2011 00:24:15.733 : ORBIT : 84682.5081
 Last Product : 02-JUL-2011 23:26:36.175 : ORBIT : 84696.3392
 Total Products Processed : 17783 Day : 183

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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	17:22:51.949	--	84692	Yes	--	14550

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