

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	02-FEB-2011
Start Time of First Product	01-02-2011 23:57:26
Stop Time of Last Product	23:32:50
Number of EGOI Products analysed	32
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110202CMEP3718.E2	02-FEB-2011	03:01:25.089
EGOI_110202CMEP3727.E2	02-FEB-2011	04:41:55.707
EGOI_110202CMEP3736.E2	02-FEB-2011	15:25:05.662
EGOI_110202CMEP3744.E2	02-FEB-2011	17:03:19.761
EGOI_110202GSEP4923.E2	02-FEB-2011	01:28:26.017
EGOI_110202GSEP4955.E2	02-FEB-2011	03:06:02.620
EGOI_110202GSEP4982.E2	02-FEB-2011	04:48:45.247
EGOI_110202GSEP4988.E2	02-FEB-2011	06:30:35.373
EGOI_110202KSEP9713.E2	01-FEB-2011	23:57:26.961

EGOI_110202KSEP9726.E2	02-FEB-2011	06:47:44.475
EGOI_110202KSEP9744.E2	02-FEB-2011	08:27:40.589
EGOI_110202KSEP9765.E2	02-FEB-2011	10:07:20.202
EGOI_110202KSEP9794.E2	02-FEB-2011	11:46:50.813
EGOI_110202KSEP9811.E2	02-FEB-2011	13:25:52.929
EGOI_110202KSEP9820.E2	02-FEB-2011	15:04:37.033
EGOI_110202KSEP9836.E2	02-FEB-2011	16:42:07.634
EGOI_110202KSEP9864.E2	02-FEB-2011	18:20:09.742
EGOI_110202KSEP9896.E2	02-FEB-2011	19:58:43.350
EGOI_110202KSEP9922.E2	02-FEB-2011	21:39:33.474
EGOI_110202KSEP9945.E2	02-FEB-2011	23:23:59.613
EGOI_110202MAEP2427.E2	02-FEB-2011	08:36:06.141
EGOI_110202MAEP2439.E2	02-FEB-2011	10:14:48.753
EGOI_110202MAEP2460.E2	02-FEB-2011	21:31:28.918
EGOI_110202MIEP2047.E2	02-FEB-2011	03:01:55.093
EGOI_110202MIEP2072.E2	02-FEB-2011	04:42:39.211
EGOI_110202MSEP5685.E2	02-FEB-2011	10:22:05.296
EGOI_110202MSEP5714.E2	02-FEB-2011	11:59:47.896
EGOI_110202MSEP5727.E2	02-FEB-2011	13:42:23.028
EGOI_110202MSEP5746.E2	02-FEB-2011	21:32:28.931
EGOI_110202MSEP5777.E2	02-FEB-2011	23:08:44.519
EGOI_110202SGEP1207.E2	02-FEB-2011	02:07:24.756
EGOI_110202SGEP1215.E2	02-FEB-2011	03:43:22.343

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82535	01-FEB-2011	23:54:12.980	23:57:26.961	193.98100
KS	82539	02-FEB-2011	06:45:47.764	06:47:44.474	116.71000
KS	82540	02-FEB-2011	08:25:08.750	08:27:40.588	151.83800
KS	82541	02-FEB-2011	10:04:46.384	10:07:20.202	153.81800
KS	82542	02-FEB-2011	11:44:16.443	11:46:50.812	154.36900
KS	82543	02-FEB-2011	13:23:21.045	13:25:52.928	151.88300
KS	82544	02-FEB-2011	15:01:53.276	15:04:37.032	163.75600
KS	82545	02-FEB-2011	16:39:29.828	16:42:07.633	157.80500
KS	82546	02-FEB-2011	18:17:23.793	18:20:09.741	165.94800
KS	82547	02-FEB-2011	19:56:28.504	19:58:43.350	134.84600
KS	82548	02-FEB-2011	21:37:22.780	21:39:33.474	130.69400
KS	82549	02-FEB-2011	23:20:51.562	23:23:59.612	188.05000
GS	82536	02-FEB-2011	01:26:24.288	01:28:26.017	121.72900
GS	82537	02-FEB-2011	03:04:06.645	03:06:02.619	115.97400

GS	82538	02-FEB-2011	04:46:55.601	04:48:45.246	109.64500
MS	82541	02-FEB-2011	10:19:26.529	10:22:05.296	158.76700
MS	82542	02-FEB-2011	11:57:09.629	11:59:47.895	158.26600
MS	82549	02-FEB-2011	23:06:23.807	23:08:44.519	140.71200
MA	82540	02-FEB-2011	08:33:56.122	08:36:06.141	130.01900
MA	82541	02-FEB-2011	10:12:51.139	10:14:48.753	117.61400
MA	82548	02-FEB-2011	21:28:58.312	21:31:28.918	150.60600
MI	82537	02-FEB-2011	02:59:31.188	03:01:55.093	143.90500
MI	82538	02-FEB-2011	04:40:18.296	04:42:39.210	140.91400
SG	82536	02-FEB-2011	02:05:04.776	02:07:24.756	139.98000
SG	82537	02-FEB-2011	03:41:07.601	03:43:22.343	134.74200
SG	82537	02-FEB-2011	03:51:13.388	03:54:53.509	220.12100
CM	82537	02-FEB-2011	03:00:07.116	03:01:25.088	77.972000
CM	82544	02-FEB-2011	15:23:40.968	15:25:05.661	84.693000
CM	82545	02-FEB-2011	17:01:46.930	17:03:19.760	92.830000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82535	02-FEB-2011	00:32:01.442	00:46:32.323	870.88100
MM	82535	02-FEB-2011	00:43:51.558	00:54:39.321	647.76300
BE	82536	02-FEB-2011	01:51:29.318	02:02:42.858	673.54000
MM	82536	02-FEB-2011	02:26:21.077	02:35:00.483	519.40600
BE	82537	02-FEB-2011	03:30:11.456	03:43:18.207	786.75100
MM	82537	02-FEB-2011	04:09:26.267	04:15:51.182	384.91500
MM	82538	02-FEB-2011	05:51:54.733	05:57:50.270	355.53700
MM	82539	02-FEB-2011	07:33:04.717	07:40:52.398	467.68100
JO	82539	02-FEB-2011	07:11:43.855	07:24:42.471	778.61600
MM	82540	02-FEB-2011	09:13:33.452	09:23:39.805	606.35300
JO	82540	02-FEB-2011	08:50:02.298	09:04:29.543	867.24500
HO	82541	02-FEB-2011	11:05:10.972	11:13:57.527	526.55500
MM	82541	02-FEB-2011	10:53:43.974	11:05:29.735	705.76100
HO	82542	02-FEB-2011	12:42:26.072	12:57:09.794	883.72200
MM	82542	02-FEB-2011	12:33:41.025	12:46:15.333	754.30800
MA	82542	02-FEB-2011	11:55:05.037	11:59:33.746	268.70900
HO	82543	02-FEB-2011	14:22:22.825	14:34:55.518	752.69300

MM	82543	02-FEB-2011	14:13:23.645	14:26:07.269	763.62400
SG	82543	02-FEB-2011	14:37:30.287	14:49:44.277	733.99000
BE	82544	02-FEB-2011	14:47:07.891	14:59:56.526	768.63500
MM	82544	02-FEB-2011	15:52:50.073	16:05:25.672	755.59900
MI	82544	02-FEB-2011	15:19:45.352	15:32:16.116	750.76400
GS	82544	02-FEB-2011	15:13:37.427	15:26:57.037	799.61000
SG	82544	02-FEB-2011	16:16:37.878	16:28:49.141	731.26300
MM	82545	02-FEB-2011	17:32:02.113	17:44:33.839	751.72600
MI	82545	02-FEB-2011	16:59:25.610	17:10:47.216	681.60600
GS	82545	02-FEB-2011	16:53:05.871	17:06:06.504	780.63300
MM	82546	02-FEB-2011	19:11:10.971	19:23:49.761	758.79000
JO	82546	02-FEB-2011	19:31:47.024	19:43:41.444	714.42000
MM	82547	02-FEB-2011	20:50:37.635	21:03:21.358	763.72300
MA	82547	02-FEB-2011	19:49:48.549	20:02:37.442	768.89300
JO	82547	02-FEB-2011	21:09:51.558	21:24:36.547	884.98900
HO	82548	02-FEB-2011	22:23:26.254	22:35:22.558	716.30400
MM	82548	02-FEB-2011	22:30:45.322	22:43:08.913	743.59100

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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	Polar View operated
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

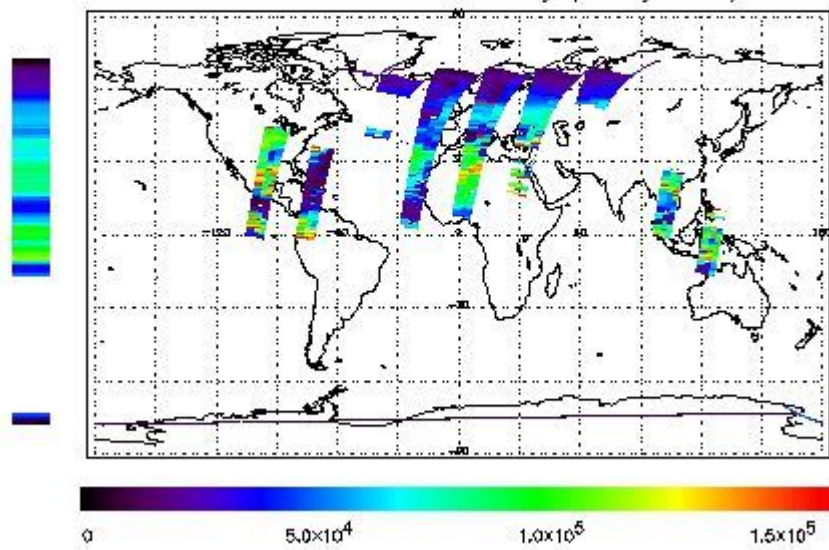
2.2 - Daily Plots

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

Fret Product : 01-FEB-2011 23:57:26.861 : ORBIT : 82535.1887
 Lat Product : 02-FEB-2011 23:32:50.867 : ORBIT : 82549.2584
 Total Products Processed : 14324 Day : 33 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

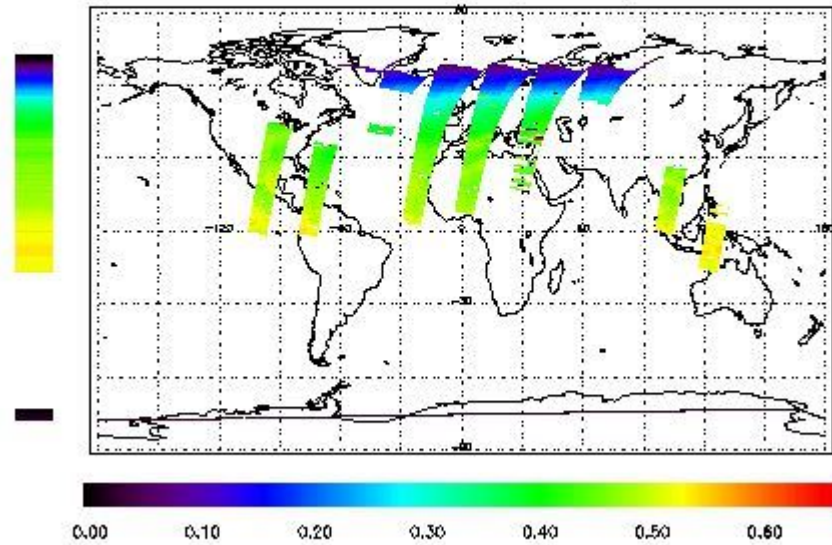


Ozone Line Ratio

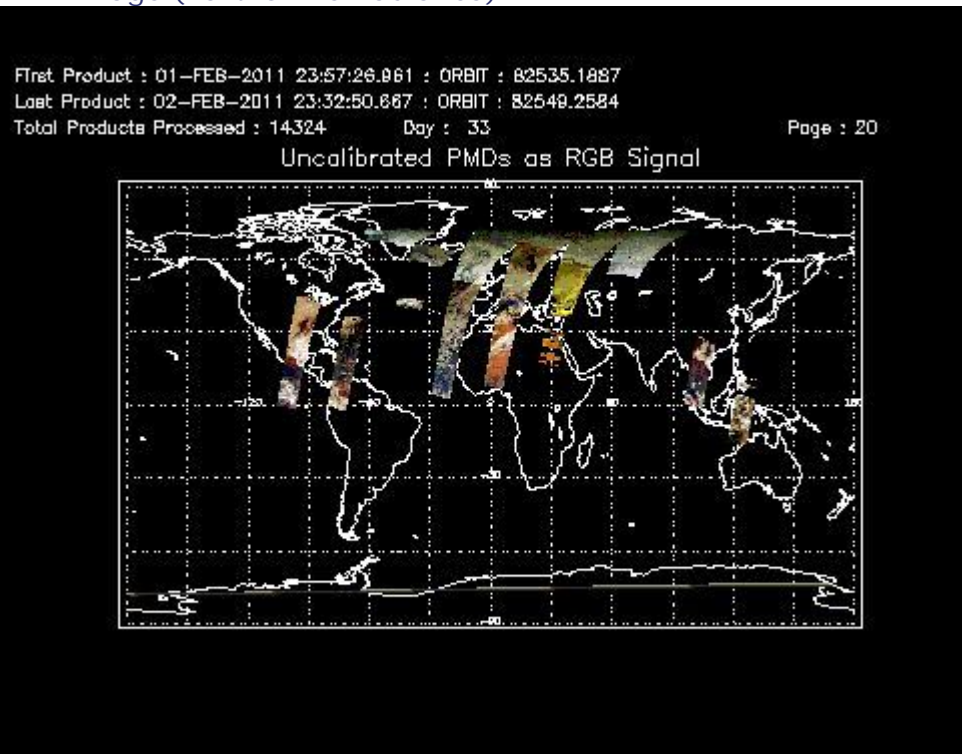
First Product : 01-FEB-2011 23:57:26.861 : ORBIT : 82535.1887
 Last Product : 02-FEB-2011 23:32:50.667 : ORBIT : 82549.2584
 Total Products Processed : 14324 Day : 33

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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	13:31:58.964	--	82543	Yes	--	15707

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