

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-MAY-2011
Start Time of First Product	00:23:46
Stop Time of Last Product	22:33:50
Number of EGOI Products analysed	35
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110521CMEP6702.E2	21-MAY-2011	03:42:22.063
EGOI_110521CMEP6706.E2	21-MAY-2011	05:23:54.184
EGOI_110521CMEP6717.E2	21-MAY-2011	16:05:14.601
EGOI_110521CMEP6724.E2	21-MAY-2011	17:46:19.720
EGOI_110521GSEP2639.E2	21-MAY-2011	00:34:11.915
EGOI_110521GSEP2661.E2	21-MAY-2011	02:09:28.997
EGOI_110521GSEP2687.E2	21-MAY-2011	03:48:53.602
EGOI_110521GSEP2697.E2	21-MAY-2011	05:31:25.734
EGOI_110521KSEP2308.E2	21-MAY-2011	07:29:30.949

EGOI_110521KSEP2327.E2	21-MAY-2011	09:09:22.567
EGOI_110521KSEP2348.E2	21-MAY-2011	10:48:56.173
EGOI_110521KSEP2373.E2	21-MAY-2011	12:28:07.279
EGOI_110521KSEP2386.E2	21-MAY-2011	14:06:58.882
EGOI_110521KSEP2407.E2	21-MAY-2011	15:45:03.984
EGOI_110521KSEP2419.E2	21-MAY-2011	17:22:42.082
EGOI_110521KSEP2443.E2	21-MAY-2011	19:00:12.673
EGOI_110521KSEP2460.E2	21-MAY-2011	20:39:32.783
EGOI_110521KSEP2480.E2	21-MAY-2011	22:21:19.901
EGOI_110521MAEP7662.E2	21-MAY-2011	09:16:48.109
EGOI_110521MAEP7680.E2	21-MAY-2011	10:56:30.719
EGOI_110521MAEP7690.E2	21-MAY-2011	19:00:14.172
EGOI_110521MAEP7712.E2	21-MAY-2011	20:33:19.246
EGOI_110521MAEP7729.E2	21-MAY-2011	22:13:25.853
EGOI_110521MIEP2703.E2	21-MAY-2011	02:07:16.981
EGOI_110521MIEP2725.E2	21-MAY-2011	03:43:43.071
EGOI_110521MIEP2744.E2	21-MAY-2011	14:26:47.003
EGOI_110521MIEP2771.E2	21-MAY-2011	16:03:16.089
EGOI_110521MIEP2794.E2	21-MAY-2011	17:44:28.708
EGOI_110521MSEP8382.E2	21-MAY-2011	00:23:46.356
EGOI_110521MSEP8407.E2	21-MAY-2011	11:02:09.756
EGOI_110521MSEP8434.E2	21-MAY-2011	12:41:31.362
EGOI_110521MSEP8458.E2	21-MAY-2011	22:11:03.342
EGOI_110521SGEP3317.E2	21-MAY-2011	02:55:47.278
EGOI_110521SGEP3325.E2	21-MAY-2011	04:35:10.383
EGOI_110521SGEP3331.E2	21-MAY-2011	17:03:05.957

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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	84081	21-MAY-2011	00:37:54.300	00:52:11.174	856.87400
MM	84081	21-MAY-2011	00:49:41.352	01:00:22.916	641.56400
KS	84081	21-MAY-2011	00:00:21.746	00:05:49.730	327.98400
BE	84082	21-MAY-2011	01:57:01.879	02:08:38.126	696.24700
MM	84082	21-MAY-2011	02:32:14.025	02:40:45.200	511.17500
BE	84083	21-MAY-2011	03:35:54.541	03:48:53.338	778.79700
MM	84083	21-MAY-2011	04:15:19.452	04:21:38.556	379.10400
MM	84084	21-MAY-2011	05:57:43.496	06:03:42.498	359.00200

MI	84084	21-MAY-2011	04:46:21.035	04:55:54.720	573.68500
MM	84085	21-MAY-2011	07:38:49.972	07:46:45.867	475.89500
JO	84085	21-MAY-2011	07:17:10.586	07:30:30.878	800.29200
MM	84086	21-MAY-2011	09:19:17.307	09:29:30.675	613.36800
JO	84086	21-MAY-2011	08:55:50.340	09:10:04.662	854.32200
MM	84087	21-MAY-2011	10:59:27.024	11:11:16.890	709.86600
MM	84088	21-MAY-2011	12:39:23.297	12:51:59.016	755.71900
HO	84089	21-MAY-2011	14:28:08.986	14:40:10.302	721.31600
MM	84089	21-MAY-2011	14:19:05.031	14:31:48.431	763.40000
SG	84089	21-MAY-2011	14:42:58.401	14:55:35.190	756.78900
BE	84090	21-MAY-2011	14:52:56.540	15:05:33.147	756.60700
MM	84090	21-MAY-2011	15:58:30.523	16:11:05.630	755.10700
GS	84090	21-MAY-2011	15:19:15.591	15:32:44.463	808.87200
SG	84090	21-MAY-2011	16:22:31.135	16:34:15.219	704.08400
MM	84091	21-MAY-2011	17:37:41.973	17:50:13.846	751.87300
GS	84091	21-MAY-2011	16:58:49.729	17:11:38.515	768.78600
MM	84092	21-MAY-2011	19:16:51.214	19:29:30.544	759.33000
JO	84092	21-MAY-2011	19:37:14.052	19:49:39.951	745.89900
MM	84093	21-MAY-2011	20:56:19.626	21:09:03.094	763.46800
JO	84093	21-MAY-2011	21:15:35.062	21:30:11.368	876.30600
HO	84094	21-MAY-2011	22:28:52.389	22:41:06.924	734.53500
MM	84094	21-MAY-2011	22:36:30.261	22:48:51.495	741.23400
KS	84095	21-MAY-2011	23:26:52.887	23:35:01.230	488.34300

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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

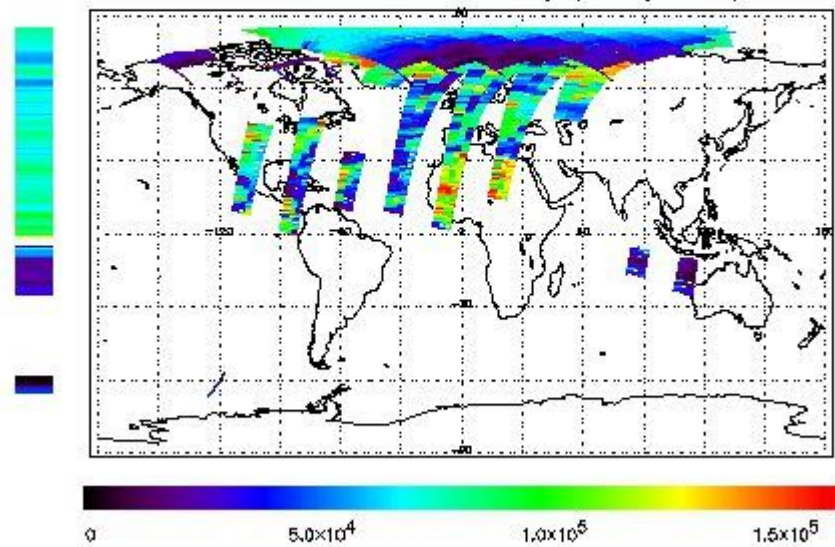
2.2 - Daily Plots

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 : 21-MAY-2011 00:23:46.356 : ORBIT : 84081.3932
 Last Product : 21-MAY-2011 22:33:49.979 : ORBIT : 84094.6146
 Total Products Processed : 14728 Day : 141 Page : 21

778 nm Uncalibrated Intensity (Binary Units)

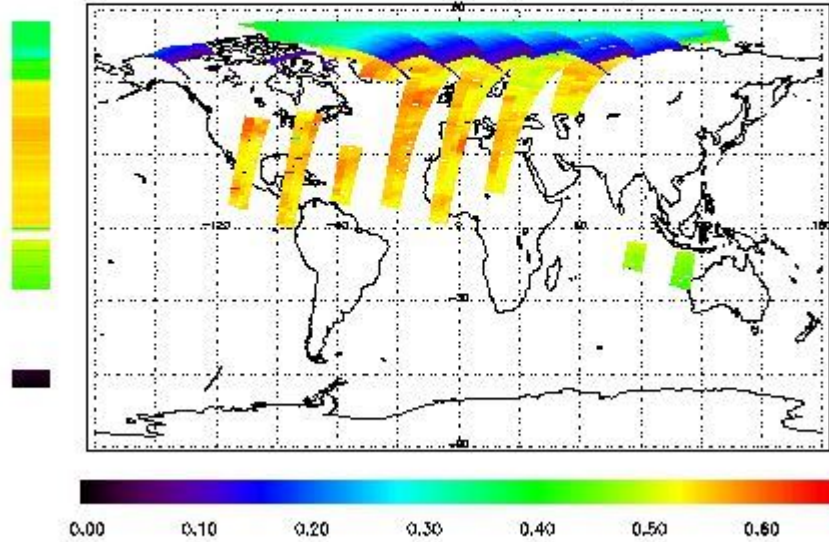


Ozone Line Ratio

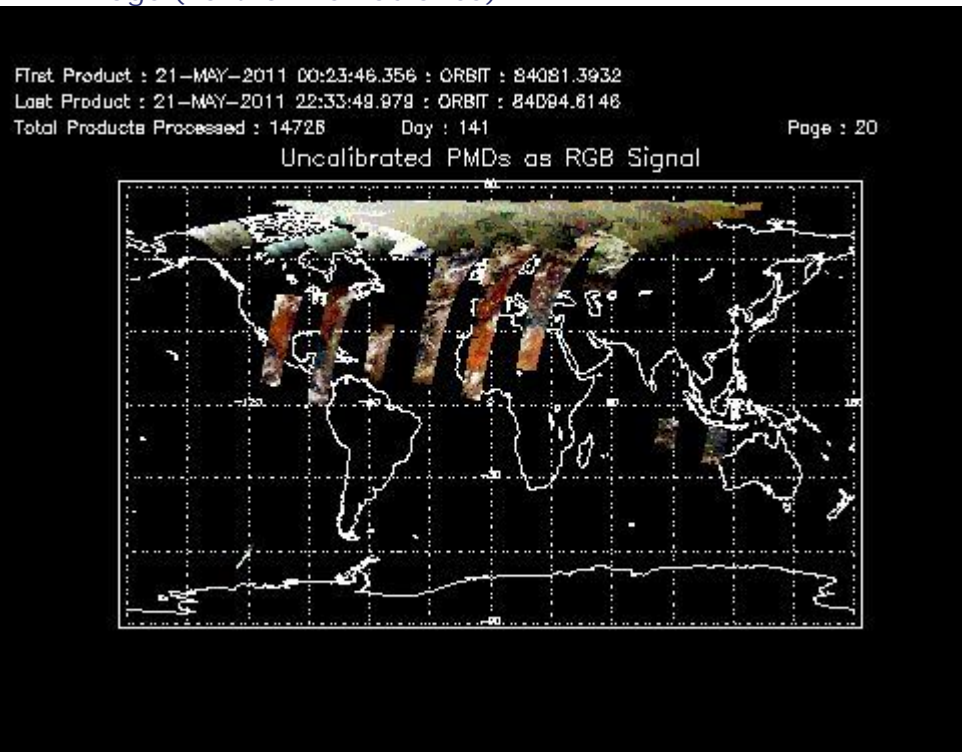
First Product : 21-MAY-2011 00:23:46.356 : ORBIT : 84081.3932
 Last Product : 21-MAY-2011 22:33:49.979 : ORBIT : 84094.6146
 Total Products Processed : 14726 Day : 141

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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	17:23:42.082	--	84091	Yes	--	--

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
--	--	--

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