

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-JAN-2011
Start Time of First Product	01:02:27
Stop Time of Last Product	23:10:06
Number of EGOI Products analysed	31
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110121CMEP3340.E2	21-JAN-2011	02:40:18.299
EGOI_110121CMEP3347.E2	21-JAN-2011	04:18:38.402
EGOI_110121CMEP3356.E2	21-JAN-2011	15:05:22.898
EGOI_110121CMEP3364.E2	21-JAN-2011	16:42:52.001
EGOI_110121GSEP4007.E2	21-JAN-2011	01:06:28.219
EGOI_110121GSEP4039.E2	21-JAN-2011	02:43:18.318
EGOI_110121GSEP4068.E2	21-JAN-2011	04:24:45.941
EGOI_110121GSEP4075.E2	21-JAN-2011	06:07:07.576
EGOI_110121KSEP6942.E2	21-JAN-2011	08:04:54.805

EGOI_110121KSEP6964.E2	21-JAN-2011	09:44:34.421
EGOI_110121KSEP6986.E2	21-JAN-2011	11:24:09.533
EGOI_110121KSEP7015.E2	21-JAN-2011	13:03:19.145
EGOI_110121KSEP7026.E2	21-JAN-2011	14:42:07.761
EGOI_110121KSEP7038.E2	21-JAN-2011	16:19:53.365
EGOI_110121KSEP7066.E2	21-JAN-2011	17:57:52.469
EGOI_110121KSEP7098.E2	21-JAN-2011	19:35:56.077
EGOI_110121KSEP7129.E2	21-JAN-2011	21:16:11.693
EGOI_110121KSEP7155.E2	21-JAN-2011	22:58:48.328
EGOI_110121MAEP2049.E2	21-JAN-2011	09:51:31.463
EGOI_110121MAEP2055.E2	21-JAN-2011	11:32:05.079
EGOI_110121MIEP0895.E2	21-JAN-2011	02:39:51.299
EGOI_110121MIEP0924.E2	21-JAN-2011	04:18:59.406
EGOI_110121MSEP4333.E2	21-JAN-2011	01:02:26.692
EGOI_110121MSEP4346.E2	21-JAN-2011	10:00:31.516
EGOI_110121MSEP4366.E2	21-JAN-2011	11:37:14.120
EGOI_110121MSEP4388.E2	21-JAN-2011	13:18:10.240
EGOI_110121MSEP4421.E2	21-JAN-2011	22:45:49.750
EGOI_110121SGEP0888.E2	21-JAN-2011	03:20:39.545
EGOI_110121SGEP0895.E2	21-JAN-2011	05:03:28.180
EGOI_110121SGEP0901.E2	21-JAN-2011	14:22:33.135
EGOI_110121SGEP0908.E2	21-JAN-2011	16:03:17.258

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	82368	21-JAN-2011	08:02:23.345	08:04:54.805	151.46000
KS	82369	21-JAN-2011	09:42:00.123	09:44:34.421	154.29800
KS	82370	21-JAN-2011	11:21:33.408	11:24:09.532	156.12400
KS	82371	21-JAN-2011	13:00:45.566	13:03:19.145	153.57900
KS	82372	21-JAN-2011	14:39:28.865	14:42:07.761	158.89600
KS	82373	21-JAN-2011	16:17:09.060	16:19:53.364	164.30400
KS	82374	21-JAN-2011	17:55:00.887	17:57:52.469	171.58200
KS	82375	21-JAN-2011	19:33:41.383	19:35:56.076	134.69300
KS	82376	21-JAN-2011	21:14:07.337	21:16:11.693	124.35600
KS	82377	21-JAN-2011	22:56:54.812	22:58:48.328	113.51600
GS	82364	21-JAN-2011	01:04:44.473	01:06:28.218	103.74500
GS	82365	21-JAN-2011	02:41:23.556	02:43:18.318	114.76200
GS	82366	21-JAN-2011	04:22:44.877	04:24:45.941	121.06400
MS	82370	21-JAN-2011	11:34:30.475	11:37:14.120	163.64500
MS	82371	21-JAN-2011	13:15:33.703	13:18:10.240	156.53700

MS	82377	21-JAN-2011	22:43:53.335	22:45:49.749	116.41400
MA	82369	21-JAN-2011	09:50:02.641	09:51:31.463	88.822000
MI	82365	21-JAN-2011	02:37:27.826	02:39:51.299	143.47300
MI	82366	21-JAN-2011	04:16:33.630	04:18:59.405	145.77500
SG	82365	21-JAN-2011	03:18:25.976	03:20:39.545	133.56900
SG	82365	21-JAN-2011	03:25:32.072	03:32:16.171	404.09900
SG	82366	21-JAN-2011	05:01:03.730	05:03:28.180	144.45000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	82363	21-JAN-2011	00:09:13.586	00:23:50.793	877.20700
MM	82363	21-JAN-2011	00:20:34.519	00:31:45.413	670.89400
HO	82364	21-JAN-2011	01:52:05.858	02:01:33.980	568.12200
MM	82364	21-JAN-2011	02:02:50.680	02:12:02.452	551.77200
BE	82365	21-JAN-2011	03:07:23.469	03:20:47.766	804.29700
MM	82365	21-JAN-2011	03:45:52.487	03:52:43.879	411.39200
BE	82366	21-JAN-2011	04:48:11.051	04:57:04.899	533.84800
MM	82366	21-JAN-2011	05:28:36.726	05:34:23.869	347.14300
MM	82367	21-JAN-2011	07:10:02.384	07:17:18.003	435.61900
KS	82367	21-JAN-2011	06:23:15.387	06:30:28.192	432.80500
JO	82367	21-JAN-2011	06:50:14.625	07:01:17.082	662.45700
MM	82368	21-JAN-2011	08:50:37.466	09:00:14.390	576.92400
MA	82368	21-JAN-2011	08:11:57.015	08:22:16.349	619.33400
JO	82368	21-JAN-2011	08:27:02.651	08:42:00.521	897.87000
MM	82369	21-JAN-2011	10:30:51.349	10:42:18.967	687.61800
MM	82370	21-JAN-2011	12:10:51.474	12:23:18.788	747.31400
MM	82371	21-JAN-2011	13:50:37.569	14:03:21.470	763.90100
SG	82371	21-JAN-2011	14:16:00.872	14:25:59.437	598.56500
BE	82372	21-JAN-2011	14:24:04.914	14:37:23.844	798.93000
MM	82372	21-JAN-2011	15:30:07.765	15:42:45.473	757.70800
MI	82372	21-JAN-2011	14:57:42.112	15:08:43.414	661.30200
GS	82372	21-JAN-2011	14:51:10.065	15:03:36.335	746.27000
CM	82372	21-JAN-2011	15:03:02.023	15:08:00.327	298.30400
MM	82373	21-JAN-2011	17:09:22.504	17:21:54.063	751.55900
MI	82373	21-JAN-2011	16:36:14.694	16:48:52.657	757.96300

GS	82373	21-JAN-2011	16:30:13.415	16:43:49.818	816.40300
CM	82373	21-JAN-2011	16:38:48.405	16:51:07.690	739.28500
MM	82374	21-JAN-2011	18:48:30.538	19:01:07.162	756.62400
GS	82374	21-JAN-2011	18:11:04.961	18:19:22.031	497.07000
JO	82374	21-JAN-2011	19:10:25.448	19:19:16.978	531.53000
MM	82375	21-JAN-2011	20:27:50.995	20:40:34.945	763.95000
MA	82375	21-JAN-2011	19:27:53.331	19:39:19.130	685.79900
JO	82375	21-JAN-2011	20:47:04.316	21:02:05.897	901.58100
HO	82376	21-JAN-2011	22:01:54.497	22:12:13.832	619.33500
MM	82376	21-JAN-2011	22:07:47.479	22:20:19.043	751.56400
MA	82376	21-JAN-2011	21:05:56.361	21:19:16.457	800.09600
JO	82376	21-JAN-2011	22:28:28.288	22:37:51.572	563.28400
HO	82377	21-JAN-2011	23:38:11.696	23:52:34.856	863.16000
MM	82377	21-JAN-2011	23:48:39.234	00:00:17.458	698.22400

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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

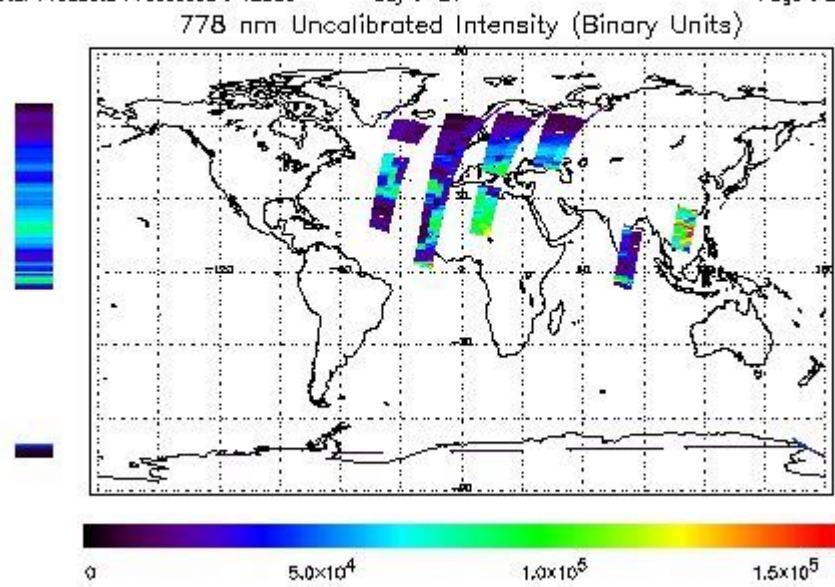
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs 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-JAN-2011 01:02:26.692 : ORBIT : 82364.0633
 Last Product : 21-JAN-2011 23:10:06.398 : ORBIT : 82377.2609
 Total Products Processed : 12533 Day : 21 Page : 21

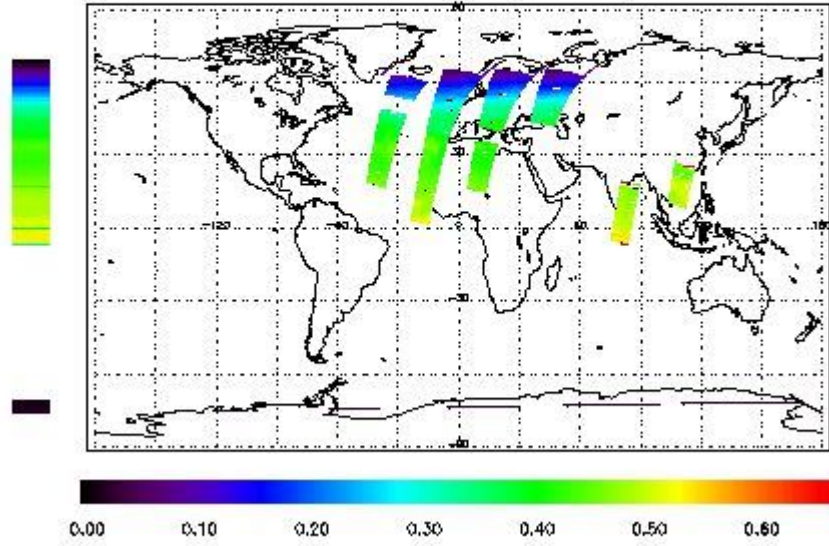


Ozone Line Ratio

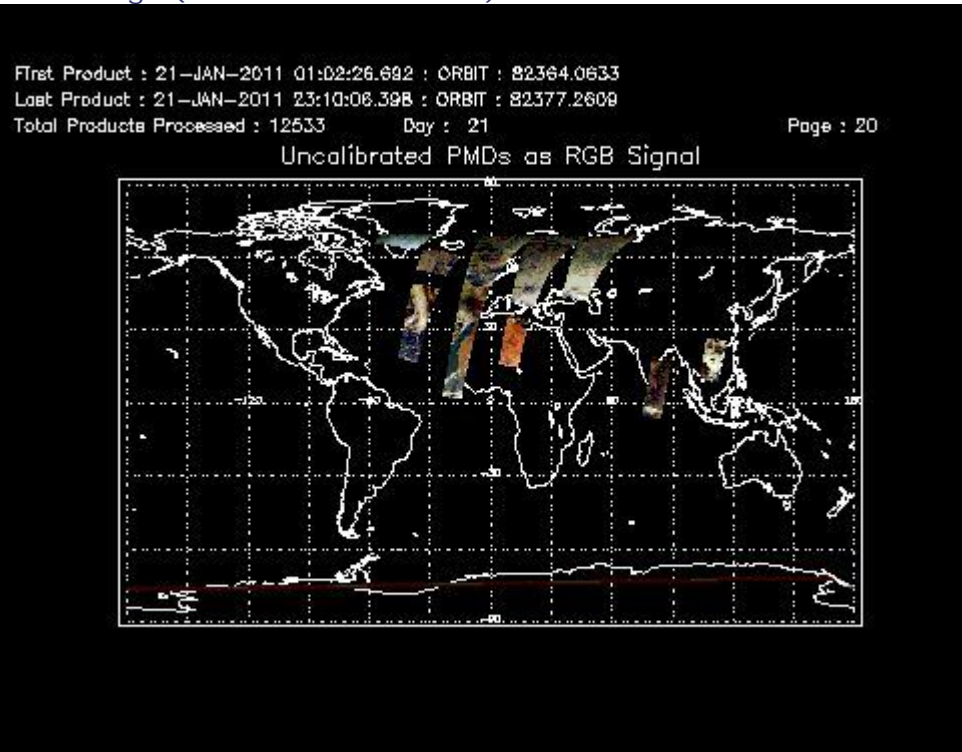
First Product : 21-JAN-2011 01:02:26.692 : ORBIT : 82364.0633
 Last Product : 21-JAN-2011 23:10:06.398 : ORBIT : 82377.2609
 Total Products Processed : 12533 Day : 21

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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	13:09:56.692	--	82371	Yes	--	15665

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
--	--	--	--	--

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
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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