

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	26-APR-2010
Start Time of First Product	00:52:00
Stop Time of Last Product	22:54:52
Number of EGOI Products analysed	37
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100426BEEP2553.E2	26-APR-2010	02:54:44.369
EGOI_100426GSEP4993.E2	26-APR-2010	00:52:00.121
EGOI_100426GSEP5025.E2	26-APR-2010	02:28:14.209
EGOI_100426GSEP5054.E2	26-APR-2010	04:08:59.822
EGOI_100426GSEP5061.E2	26-APR-2010	05:51:16.947
EGOI_100426KSEP3230.E2	26-APR-2010	06:09:51.565
EGOI_100426KSEP3257.E2	26-APR-2010	07:49:40.171
EGOI_100426KSEP3279.E2	26-APR-2010	09:29:18.285
EGOI_100426KSEP3310.E2	26-APR-2010	11:08:54.888

EGOI_100426KSEP3339.E2	26-APR-2010	12:48:08.995
EGOI_100426KSEP3349.E2	26-APR-2010	14:27:02.101
EGOI_100426KSEP3360.E2	26-APR-2010	16:04:46.200
EGOI_100426KSEP3387.E2	26-APR-2010	17:42:42.295
EGOI_100426KSEP3419.E2	26-APR-2010	19:20:39.894
EGOI_100426KSEP3444.E2	26-APR-2010	21:00:43.513
EGOI_100426KSEP3470.E2	26-APR-2010	22:43:14.139
EGOI_100426MAEP1581.E2	26-APR-2010	09:37:01.828
EGOI_100426MAEP1601.E2	26-APR-2010	20:53:10.462
EGOI_100426MIEP0648.E2	26-APR-2010	02:25:17.194
EGOI_100426MIEP0674.E2	26-APR-2010	04:04:07.295
EGOI_100426MIEP0695.E2	26-APR-2010	14:46:41.222
EGOI_100426MIEP0722.E2	26-APR-2010	16:23:20.813
EGOI_100426MMEP7259.E2	26-APR-2010	01:48:16.970
EGOI_100426MMEP7264.E2	26-APR-2010	03:31:14.592
EGOI_100426MMEP7274.E2	26-APR-2010	06:55:38.343
EGOI_100426MMEP7284.E2	26-APR-2010	13:36:58.792
EGOI_100426MMEP7295.E2	26-APR-2010	16:56:10.510
EGOI_100426MMEP7302.E2	26-APR-2010	18:35:51.623
EGOI_100426MMEP7312.E2	26-APR-2010	21:55:03.337
EGOI_100426MSEP3245.E2	25-APR-2010	10:15:38.260
EGOI_100426MSEP3256.E2	25-APR-2010	11:53:28.358
EGOI_100426MSEP3278.E2	26-APR-2010	00:44:06.074
EGOI_100426MSEP3299.E2	26-APR-2010	11:22:02.474
EGOI_100426MSEP3324.E2	26-APR-2010	13:02:22.585
EGOI_100426MSEP3357.E2	26-APR-2010	22:31:14.061
EGOI_100426SGEP5166.E2	26-APR-2010	03:06:05.440
EGOI_100426SGEP5172.E2	26-APR-2010	04:46:36.057
EGOI_100426SGEP5179.E2	26-APR-2010	14:09:03.496
EGOI_100426SGEP5185.E2	26-APR-2010	15:50:50.614

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78503	26-APR-2010	07:48:10.486	07:49:40.171	89.685000
KS	78504	26-APR-2010	09:27:46.091	09:29:18.285	92.194000
KS	78505	26-APR-2010	11:07:20.945	11:08:54.887	93.942000
KS	78506	26-APR-2010	12:46:37.287	12:48:08.994	91.707000
KS	78507	26-APR-2010	14:25:25.329	14:27:02.100	96.771000
KS	78508	26-APR-2010	16:03:10.634	16:04:46.199	95.565000
KS	78509	26-APR-2010	17:41:05.864	17:42:42.295	96.431000
KS	78510	26-APR-2010	19:19:29.651	19:20:39.893	70.242000

KS	78511	26-APR-2010	20:59:38.902	21:00:43.513	64.611000
KS	78512	26-APR-2010	22:42:02.862	22:43:14.138	71.276000
GS	78501	26-APR-2010	04:07:54.216	04:08:59.822	65.606000
MS	78505	26-APR-2010	11:20:20.141	11:22:02.474	102.33300
MS	78506	26-APR-2010	13:00:48.427	13:02:22.585	94.158000
MS	78512	26-APR-2010	22:29:59.131	22:31:14.061	74.930000
MA	78504	26-APR-2010	09:35:51.190	09:37:01.828	70.638000
MA	78511	26-APR-2010	20:51:24.562	20:53:10.461	105.89900
MI	78500	26-APR-2010	02:23:53.901	02:25:17.194	83.293000
MI	78501	26-APR-2010	04:01:58.830	04:04:07.295	128.46500
MI	78507	26-APR-2010	14:44:10.847	14:46:41.222	150.37500
MI	78508	26-APR-2010	16:21:53.210	16:23:20.812	87.602000
MM	78509	26-APR-2010	18:34:20.603	18:35:51.622	91.019000
MM	78511	26-APR-2010	21:53:27.820	21:55:03.337	95.517000
BE	78500	26-APR-2010	02:53:12.076	02:54:44.369	92.293000
SG	78500	26-APR-2010	03:04:24.980	03:06:05.440	100.46000
SG	78500	26-APR-2010	03:13:53.486	03:17:57.736	244.25000
SG	78501	26-APR-2010	04:45:33.365	04:46:36.056	62.691000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78498	25-APR-2010	23:55:08.669	00:09:38.961	870.29200
MM	78498	26-APR-2010	00:06:03.119	00:17:27.086	683.96700
HO	78499	26-APR-2010	01:36:27.764	01:47:54.311	686.54700
CM	78500	26-APR-2010	04:00:37.637	04:13:02.217	744.58000
BE	78501	26-APR-2010	04:33:34.076	04:43:43.943	609.86700
MM	78501	26-APR-2010	05:14:00.532	05:19:47.138	346.60600
JO	78502	26-APR-2010	06:37:08.203	06:46:24.583	556.38000
MM	78503	26-APR-2010	08:36:16.969	08:45:34.522	557.55300
MA	78503	26-APR-2010	07:59:07.282	08:07:05.947	478.66500
JO	78503	26-APR-2010	08:12:49.802	08:27:51.290	901.48800
MM	78504	26-APR-2010	10:16:33.111	10:27:47.978	674.86700
JO	78504	26-APR-2010	09:55:33.882	10:04:34.025	540.14300
MM	78505	26-APR-2010	11:56:35.130	12:08:56.915	741.78500
MA	78505	26-APR-2010	11:16:39.221	11:25:26.187	526.96600

SG	78506	26-APR-2010	14:03:05.242	14:10:40.584	455.34200
BE	78507	26-APR-2010	14:09:49.229	14:23:14.126	804.89700
MM	78507	26-APR-2010	15:15:55.900	15:28:34.964	759.06400
GS	78507	26-APR-2010	14:37:13.496	14:48:09.175	655.67900
BE	78508	26-APR-2010	15:52:36.330	16:00:37.298	480.96800
GS	78508	26-APR-2010	16:15:57.959	16:29:47.523	829.56400
CM	78508	26-APR-2010	16:24:35.740	16:37:00.948	745.20800
GS	78509	26-APR-2010	17:56:30.024	18:06:04.745	574.72100
CM	78509	26-APR-2010	18:08:27.019	18:10:30.029	123.01000
MM	78510	26-APR-2010	20:13:37.832	20:26:21.374	763.54200
MA	78510	26-APR-2010	19:16:24.881	19:24:43.808	498.92700
JO	78510	26-APR-2010	20:32:55.330	20:47:52.655	897.32500
HO	78511	26-APR-2010	21:48:52.716	21:57:36.763	524.04700
HO	78512	26-APR-2010	23:24:07.231	23:38:20.655	853.42400
MM	78512	26-APR-2010	23:34:10.811	23:45:59.731	708.92000
MA	78512	26-APR-2010	22:35:59.231	22:42:28.655	389.42400

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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	North Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK

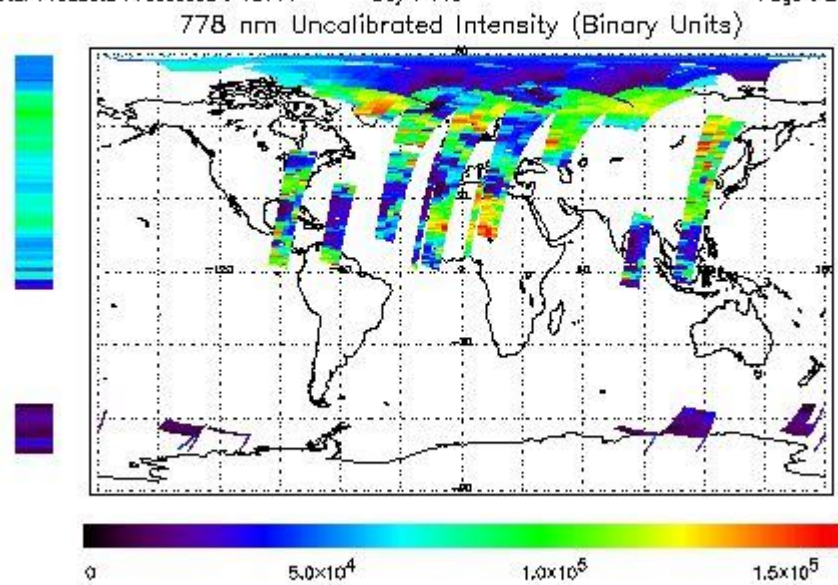
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 : 25-APR-2010 10:15:38.260 : ORBIT : 78490.3909
 Last Product : 26-APR-2010 22:54:51.705 : ORBIT : 78512.2522
 Total Products Processed : 18144 Day : 116 Page : 21

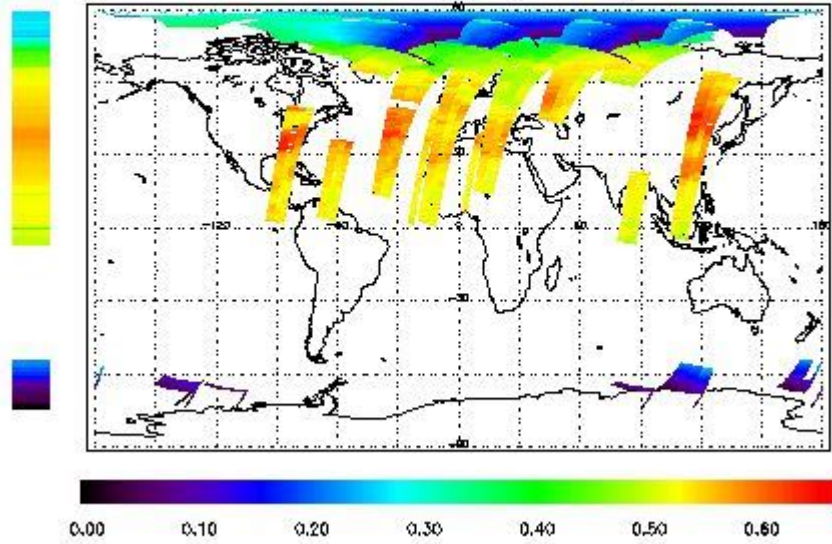


Ozone Line Ratio

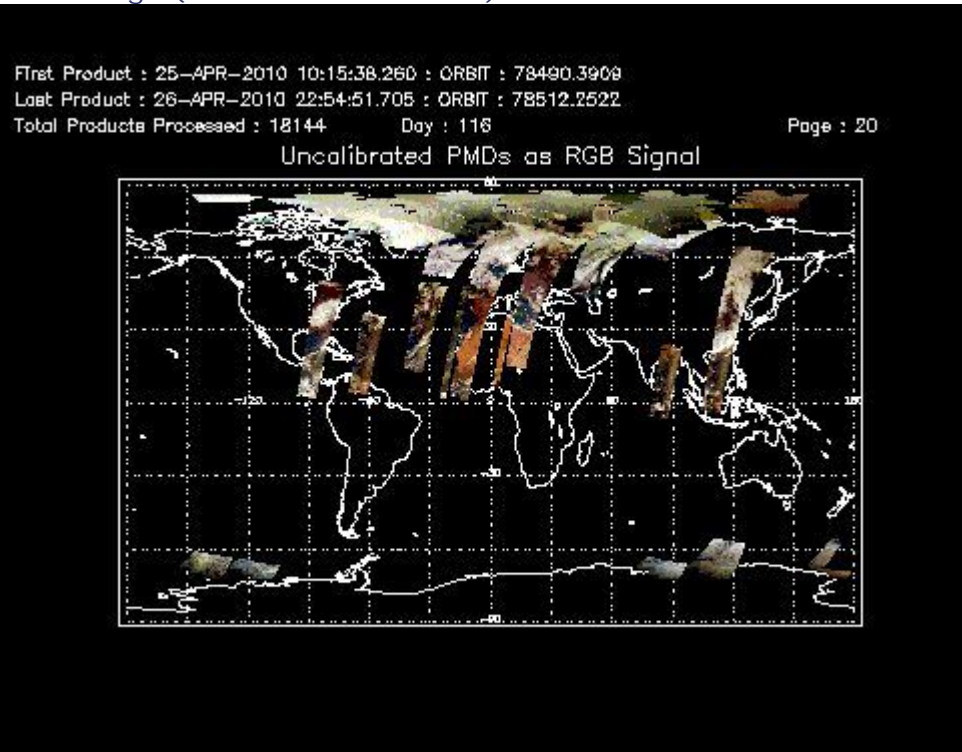
First Product : 25-APR-2010 10:15:38.260 : ORBIT : 78490.3909
 Last Product : 26-APR-2010 22:54:51.705 : ORBIT : 78512.2522
 Total Products Processed : 18144 Day : 116

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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	17:46:18.322	--	78509	Yes	--	14840

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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(1)

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
--	--	--	--	--

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
07:00 10-Mar	--	77830	--

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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