

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-APR-2010
Start Time of First Product	00:11:31
Stop Time of Last Product	23:52:38
Number of EGOI Products analysed	43
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100427BEEP2565.E2	27-APR-2010	04:04:49.099
EGOI_100427CMEP7637.E2	27-APR-2010	03:32:15.899
EGOI_100427CMEP7647.E2	27-APR-2010	15:56:41.454
EGOI_100427CMEP7656.E2	27-APR-2010	17:34:51.057
EGOI_100427GSEP5090.E2	27-APR-2010	01:57:33.325
EGOI_100427GSEP5121.E2	27-APR-2010	03:36:44.431
EGOI_100427GSEP5129.E2	27-APR-2010	05:19:25.556
EGOI_100427KSEP3497.E2	27-APR-2010	07:17:59.283
EGOI_100427KSEP3516.E2	27-APR-2010	08:57:58.394

EGOI_100427KSEP3536.E2	27-APR-2010	10:37:38.000
EGOI_100427KSEP3560.E2	27-APR-2010	12:17:01.107
EGOI_100427KSEP3588.E2	27-APR-2010	13:56:00.214
EGOI_100427KSEP3613.E2	27-APR-2010	15:34:14.317
EGOI_100427KSEP3642.E2	27-APR-2010	17:11:47.912
EGOI_100427KSEP3674.E2	27-APR-2010	18:49:47.011
EGOI_100427KSEP3705.E2	27-APR-2010	20:29:01.121
EGOI_100427KSEP3733.E2	27-APR-2010	22:10:37.744
EGOI_100427MAEP1615.E2	27-APR-2010	09:05:20.937
EGOI_100427MAEP1628.E2	27-APR-2010	10:45:09.547
EGOI_100427MIEP0743.E2	27-APR-2010	01:56:13.817
EGOI_100427MIEP0772.E2	27-APR-2010	03:32:05.399
EGOI_100427MIEP0793.E2	27-APR-2010	05:15:48.032
EGOI_100427MIEP0806.E2	27-APR-2010	14:17:40.846
EGOI_100427MIEP0823.E2	27-APR-2010	15:51:59.427
EGOI_100427MIEP0848.E2	27-APR-2010	17:33:16.545
EGOI_100427MMEP7321.E2	27-APR-2010	01:16:25.571
EGOI_100427MMEP7329.E2	27-APR-2010	04:41:35.825
EGOI_100427MMEP7338.E2	27-APR-2010	06:23:43.951
EGOI_100427MMEP7345.E2	27-APR-2010	08:04:56.570
EGOI_100427MMEP7352.E2	27-APR-2010	09:45:34.683
EGOI_100427MMEP7359.E2	27-APR-2010	13:05:37.409
EGOI_100427MMEP7368.E2	27-APR-2010	14:45:14.018
EGOI_100427MMEP7377.E2	27-APR-2010	16:24:53.630
EGOI_100427MMEP7388.E2	27-APR-2010	23:03:06.566
EGOI_100427MSEP3385.E2	27-APR-2010	00:11:31.175
EGOI_100427MSEP3412.E2	27-APR-2010	10:51:15.583
EGOI_100427MSEP3440.E2	27-APR-2010	12:30:25.190
EGOI_100427MSEP3470.E2	27-APR-2010	22:00:54.181
EGOI_100427MSEP3500.E2	27-APR-2010	23:39:09.785
EGOI_100427SGEP5191.E2	27-APR-2010	02:35:42.552
EGOI_100427SGEP5197.E2	27-APR-2010	04:16:22.165
EGOI_100427SGEP5205.E2	27-APR-2010	15:09:32.169
EGOI_100427SGEP5211.E2	27-APR-2010	16:51:26.791

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78517	27-APR-2010	07:16:56.443	07:17:59.283	62.840000
KS	78518	27-APR-2010	08:56:27.190	08:57:58.394	91.204000
KS	78519	27-APR-2010	10:36:04.297	10:37:37.999	93.702000
KS	78520	27-APR-2010	12:15:28.423	12:17:01.107	92.684000
KS	78521	27-APR-2010	13:54:22.759	13:56:00.214	97.455000

KS	78522	27-APR-2010	15:32:27.910	15:34:14.316	106.40600
KS	78523	27-APR-2010	17:10:11.823	17:11:47.912	96.089000
KS	78524	27-APR-2010	18:48:22.592	18:49:47.011	84.419000
KS	78525	27-APR-2010	20:27:57.732	20:29:01.121	63.389000
KS	78526	27-APR-2010	22:09:34.438	22:10:37.743	63.305000
MS	78513	27-APR-2010	00:10:01.879	00:11:31.174	89.295000
MS	78519	27-APR-2010	10:49:36.088	10:51:15.582	99.494000
MS	78520	27-APR-2010	12:28:44.393	12:30:25.190	100.79700
MS	78527	27-APR-2010	23:37:51.890	23:39:09.784	77.894000
MA	78519	27-APR-2010	10:44:09.312	10:45:09.546	60.234000
MI	78514	27-APR-2010	01:54:59.948	01:56:13.817	73.869000
MI	78515	27-APR-2010	03:30:25.779	03:32:05.399	99.620000
MI	78522	27-APR-2010	15:50:36.074	15:51:59.427	83.353000
MI	78523	27-APR-2010	17:31:58.109	17:33:16.544	78.435000
BE	78515	27-APR-2010	04:01:44.171	04:04:49.098	184.92700
SG	78514	27-APR-2010	02:34:07.148	02:35:42.552	95.404000
SG	78515	27-APR-2010	04:12:53.024	04:16:22.165	209.14100
SG	78521	27-APR-2010	15:07:55.119	15:09:32.169	97.050000
SG	78522	27-APR-2010	16:49:34.408	16:51:26.790	112.38200
CM	78522	27-APR-2010	15:53:44.696	15:56:41.453	176.75700

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78513	27-APR-2010	01:04:05.914	01:17:23.607	797.69300
BE	78514	27-APR-2010	02:22:10.149	02:34:58.120	767.97100
MM	78514	27-APR-2010	02:58:43.655	03:06:37.638	473.98300
CM	78514	27-APR-2010	03:29:55.331	03:41:30.923	695.59200
JO	78517	27-APR-2010	07:41:58.241	07:56:28.009	869.76800
JO	78518	27-APR-2010	09:22:15.034	09:34:58.980	763.94600
HO	78519	27-APR-2010	11:35:04.122	11:47:07.811	723.68900
MM	78519	27-APR-2010	11:25:10.209	11:37:16.451	726.24200
HO	78520	27-APR-2010	13:13:35.145	13:28:24.495	889.35000
HO	78521	27-APR-2010	14:54:14.776	15:03:43.307	568.53100
GS	78521	27-APR-2010	14:06:59.371	14:15:41.860	522.48900
SG	78521	27-APR-2010	15:07:55.119	15:21:35.689	820.57000

BE	78522	27-APR-2010	15:19:22.552	15:30:37.712	675.16000
GS	78522	27-APR-2010	15:44:42.445	15:58:35.864	833.41900
MM	78523	27-APR-2010	18:03:11.265	18:15:44.298	753.03300
GS	78523	27-APR-2010	17:24:41.280	17:36:21.228	699.94800
MM	78524	27-APR-2010	19:42:23.148	19:55:04.735	761.58700
MA	78524	27-APR-2010	18:47:33.290	18:51:43.396	250.10600
JO	78524	27-APR-2010	20:02:04.651	20:16:09.473	844.82200
MM	78525	27-APR-2010	21:22:00.359	21:34:41.537	761.17800
MA	78525	27-APR-2010	20:20:22.743	20:34:10.037	827.29400
JO	78525	27-APR-2010	21:41:29.919	21:55:02.788	812.86900
HO	78526	27-APR-2010	22:53:39.237	23:06:53.992	794.75500
MA	78526	27-APR-2010	22:01:51.332	22:12:40.136	648.80400

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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

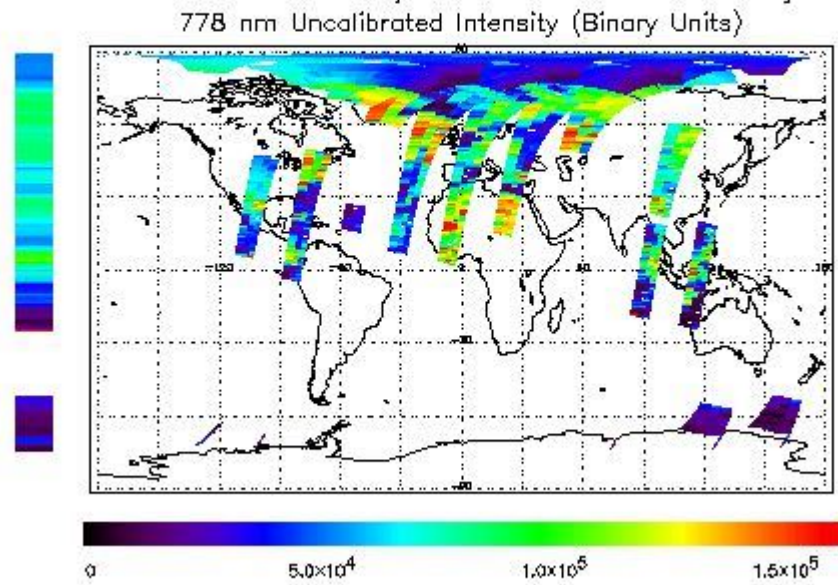
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

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

First Product : 27-APR-2010 00:11:31.175 : ORBIT : 78513.0142
 Last Product : 27-APR-2010 23:52:38.367 : ORBIT : 78527.1409
 Total Products Processed : 20249 Day : 117 Page : 21

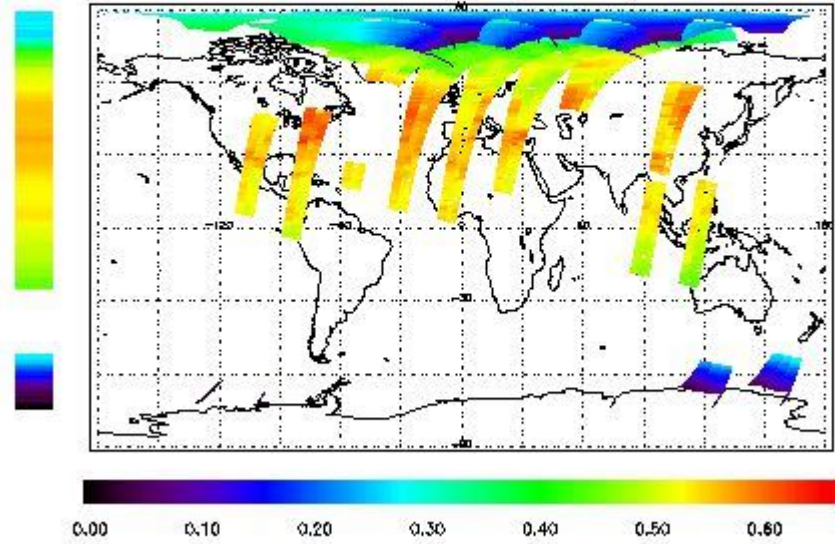


Ozone Line Ratio

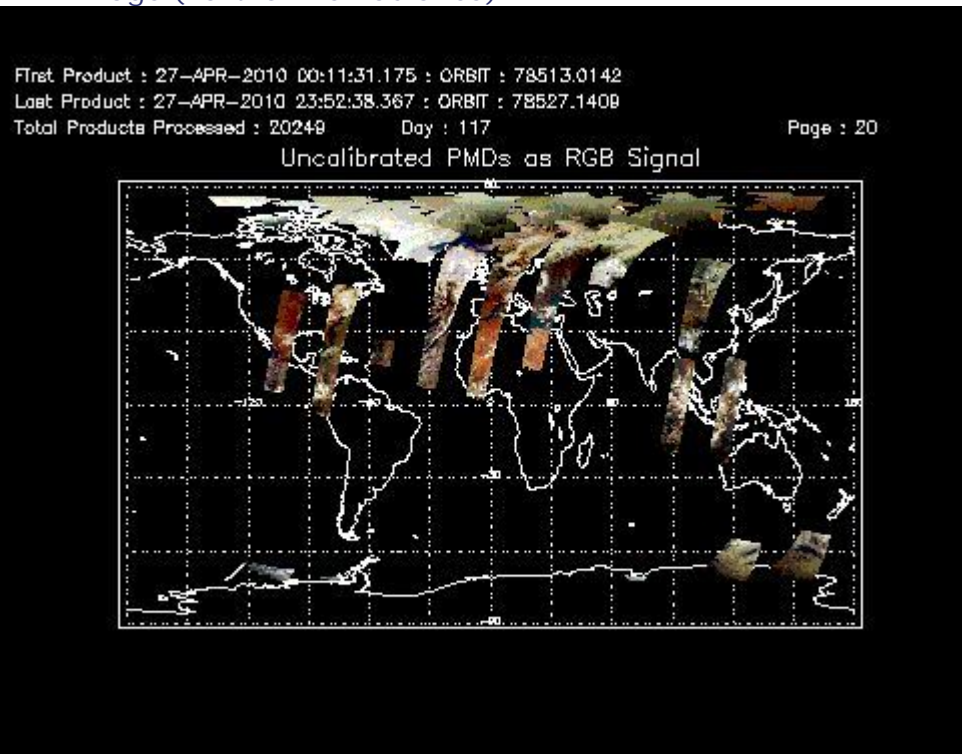
First Product : 27-APR-2010 00:11:31.175 : ORBIT : 78513.0142
 Last Product : 27-APR-2010 23:52:38.367 : ORBIT : 78527.1409
 Total Products Processed : 20249 Day : 117

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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	17:14:38.931	--	78523	Yes	--	14917

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)
--	--	--	--	--	--	--	--

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
--	--	--	--	--	--

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