

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	29-JUN-2010
Start Time of First Product	23:55:17 (28-Jun)
Stop Time of Last Product	23:36:23
Number of EGOI Products analysed	36
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100629GSEP9629.E2	29-JUN-2010	02:17:37.281
EGOI_100629GSEP9654.E2	29-JUN-2010	03:57:25.887
EGOI_100629GSEP9661.E2	29-JUN-2010	05:39:47.515
EGOI_100629KSEP7182.E2	29-JUN-2010	07:38:00.230
EGOI_100629KSEP7200.E2	29-JUN-2010	09:18:00.840
EGOI_100629KSEP7223.E2	29-JUN-2010	10:57:38.951
EGOI_100629KSEP7248.E2	29-JUN-2010	12:36:56.058
EGOI_100629KSEP7272.E2	29-JUN-2010	14:15:52.160
EGOI_100629KSEP7287.E2	29-JUN-2010	15:53:40.751

EGOI_100629KSEP7313.E2	29-JUN-2010	17:31:38.350
EGOI_100629KSEP7345.E2	29-JUN-2010	19:09:26.949
EGOI_100629KSEP7376.E2	29-JUN-2010	20:49:17.056
EGOI_100629KSEP7403.E2	29-JUN-2010	22:31:16.178
EGOI_100629MAEP3913.E2	29-JUN-2010	09:25:18.887
EGOI_100629MAEP3922.E2	29-JUN-2010	11:05:17.998
EGOI_100629MAEP3940.E2	29-JUN-2010	22:23:35.631
EGOI_100629MMEP0399.E2	28-JUN-2010	23:55:16.913
EGOI_100629MMEP0407.E2	29-JUN-2010	01:36:56.535
EGOI_100629MMEP0414.E2	29-JUN-2010	03:19:31.656
EGOI_100629MMEP0421.E2	29-JUN-2010	05:02:11.281
EGOI_100629MMEP0430.E2	29-JUN-2010	06:44:11.902
EGOI_100629MMEP0440.E2	29-JUN-2010	10:05:44.630
EGOI_100629MMEP0447.E2	29-JUN-2010	11:46:04.745
EGOI_100629MMEP0455.E2	29-JUN-2010	13:25:39.852
EGOI_100629MMEP0463.E2	29-JUN-2010	15:05:11.961
EGOI_100629MMEP0472.E2	29-JUN-2010	20:03:30.273
EGOI_100629MMEP0480.E2	29-JUN-2010	21:43:53.389
EGOI_100629MMEP0488.E2	29-JUN-2010	23:23:37.500
EGOI_100629MSEP0586.E2	29-JUN-2010	00:32:54.640
EGOI_100629MSEP0606.E2	29-JUN-2010	11:10:52.531
EGOI_100629MSEP0631.E2	29-JUN-2010	12:50:45.641
EGOI_100629MSEP0660.E2	29-JUN-2010	22:20:08.608
EGOI_100629SGEP6675.E2	29-JUN-2010	02:55:01.504
EGOI_100629SGEP6682.E2	29-JUN-2010	04:34:42.614
EGOI_100629SGEP6689.E2	29-JUN-2010	13:54:23.527
EGOI_100629SGEP6696.E2	29-JUN-2010	15:29:10.603

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79419	29-JUN-2010	07:36:48.596	07:38:00.229	71.633000
KS	79420	29-JUN-2010	09:16:22.842	09:18:00.840	97.998000
KS	79421	29-JUN-2010	10:55:58.707	10:57:38.951	100.24400
KS	79422	29-JUN-2010	12:35:18.102	12:36:56.057	97.955000
KS	79423	29-JUN-2010	14:14:09.878	14:15:52.159	102.28100
KS	79424	29-JUN-2010	15:52:00.777	15:53:40.751	99.974000
KS	79425	29-JUN-2010	17:29:55.437	17:31:38.350	102.91300
KS	79426	29-JUN-2010	19:08:09.684	19:09:26.949	77.265000
KS	79427	29-JUN-2010	20:48:06.114	20:49:17.056	70.942000
KS	79428	29-JUN-2010	22:30:12.247	22:31:16.178	63.931000
GS	79417	29-JUN-2010	03:56:08.241	03:57:25.887	77.646000

MS	79415	29-JUN-2010	00:31:01.768	00:32:54.640	112.87200
MS	79421	29-JUN-2010	11:09:05.066	11:10:52.530	107.46400
MS	79422	29-JUN-2010	12:49:04.846	12:50:45.641	100.79500
MS	79428	29-JUN-2010	22:18:57.672	22:20:08.607	70.935000
MS	79429	29-JUN-2010	23:58:14.332	23:59:36.214	81.882000
MM	79426	29-JUN-2010	20:02:15.792	20:03:30.273	74.481000
MM	79427	29-JUN-2010	21:42:00.885	21:43:53.389	112.50400
MM	79428	29-JUN-2010	23:22:37.036	23:23:37.499	60.463000
SG	79416	29-JUN-2010	02:53:18.267	02:55:01.504	103.23700
SG	79416	29-JUN-2010	03:02:12.046	03:06:25.056	253.01000
SG	79417	29-JUN-2010	04:33:31.445	04:34:42.613	71.168000
SG	79423	29-JUN-2010	15:27:38.351	15:29:10.602	92.251000
SG	79423	29-JUN-2010	15:36:04.645	15:41:31.415	326.77000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79415	29-JUN-2010	01:24:35.965	01:36:51.813	735.84800
GS	79415	29-JUN-2010	00:40:47.640	00:48:39.813	472.17300
BE	79416	29-JUN-2010	02:41:53.106	02:55:09.468	796.36200
MI	79416	29-JUN-2010	02:13:12.136	02:23:00.784	588.64800
CM	79416	29-JUN-2010	03:49:22.529	04:01:38.356	735.82700
BE	79417	29-JUN-2010	04:21:57.053	04:32:55.759	658.70600
MI	79417	29-JUN-2010	03:50:25.779	04:03:33.319	787.54000
KS	79418	29-JUN-2010	05:58:10.511	06:02:58.017	287.50600
CM	79418	29-JUN-2010	05:31:59.634	05:37:52.292	352.65800
JO	79418	29-JUN-2010	06:26:57.000	06:34:15.821	438.82100
MM	79419	29-JUN-2010	08:24:48.258	08:33:49.880	541.62200
JO	79419	29-JUN-2010	08:01:32.546	08:16:28.824	896.27800
JO	79420	29-JUN-2010	09:43:15.596	09:53:58.613	643.01700
HO	79421	29-JUN-2010	11:54:36.306	12:07:41.222	784.91600
HO	79422	29-JUN-2010	13:33:31.638	13:48:11.180	879.54200
BE	79423	29-JUN-2010	13:58:29.207	14:11:52.265	803.05800
HO	79423	29-JUN-2010	15:14:42.019	15:22:49.045	487.02600
MI	79423	29-JUN-2010	14:33:37.238	14:41:23.049	465.81100
GS	79423	29-JUN-2010	14:26:08.554	14:36:54.930	646.37600

BE	79424	29-JUN-2010	15:40:21.417	15:49:50.675	569.25800
MM	79424	29-JUN-2010	16:43:52.462	16:56:24.639	752.17700
MI	79424	29-JUN-2010	16:10:27.785	16:23:46.398	798.61300
GS	79424	29-JUN-2010	16:04:34.887	16:18:29.907	835.02000
CM	79424	29-JUN-2010	16:13:18.473	16:25:37.211	738.73800
MM	79425	29-JUN-2010	18:23:00.784	18:35:35.197	754.41300
MI	79425	29-JUN-2010	17:53:58.536	17:57:06.999	188.46300
GS	79425	29-JUN-2010	17:44:53.902	17:55:20.338	626.43600
CM	79425	29-JUN-2010	17:55:12.658	18:01:19.002	366.34400
MA	79426	29-JUN-2010	19:05:58.018	19:12:57.325	419.30700
JO	79426	29-JUN-2010	20:21:39.429	20:36:24.913	885.48400
MA	79427	29-JUN-2010	20:40:04.380	20:53:45.585	821.20500
JO	79427	29-JUN-2010	22:01:51.687	22:14:02.753	731.06600
HO	79428	29-JUN-2010	23:12:57.424	23:26:55.895	838.47100

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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

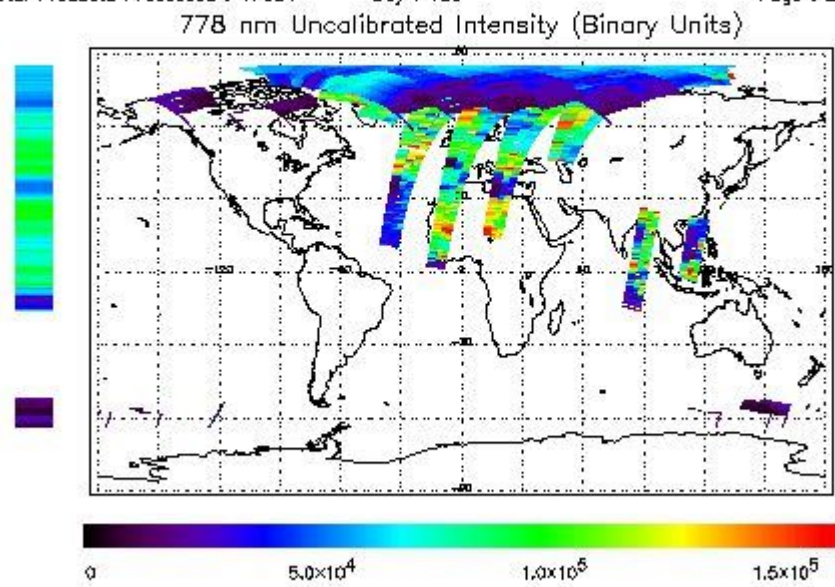
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs 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 : 28-JUN-2010 23:55:16.913 : ORBIT : 79414.6528
 Last Product : 29-JUN-2010 23:36:22.574 : ORBIT : 79428.7792
 Total Products Processed : 17084 Day : 180 Page : 21

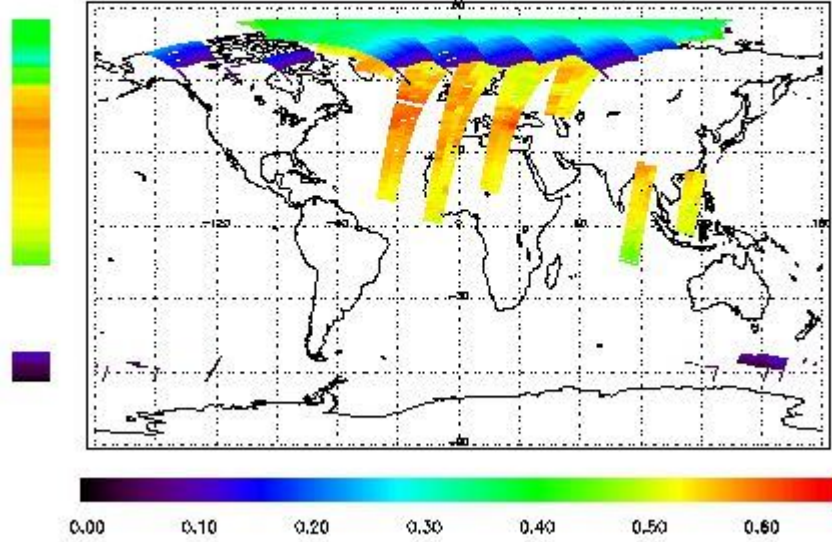


Ozone Line Ratio

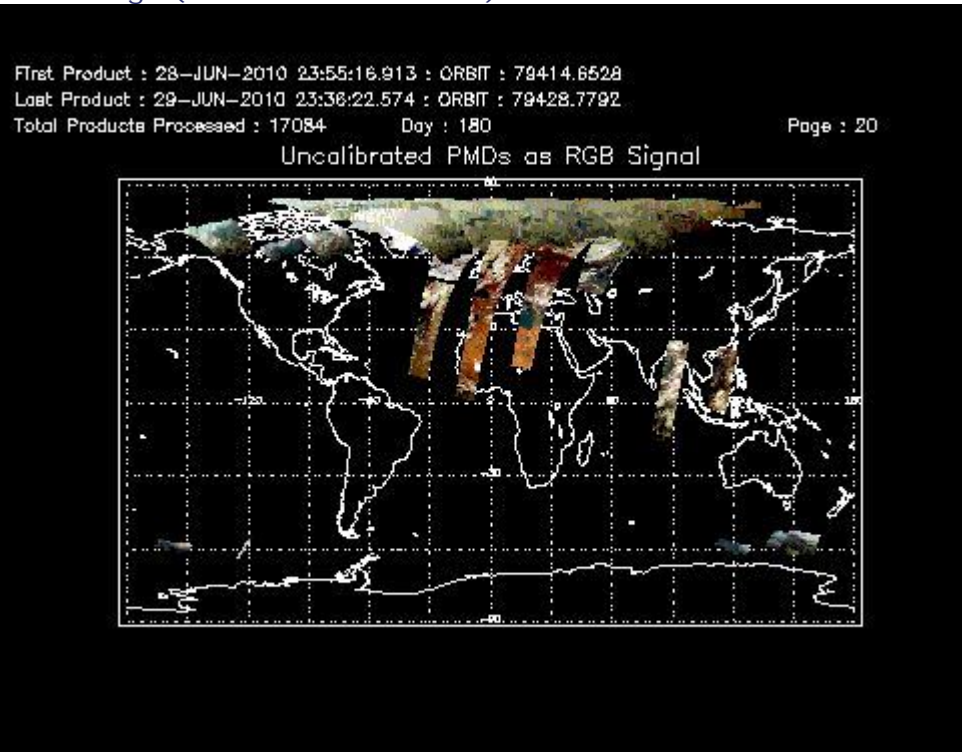
First Product : 28-JUN-2010 23:55:16.913 : ORBIT : 79414.6528
 Last Product : 29-JUN-2010 23:36:22.574 : ORBIT : 79428.7792
 Total Products Processed : 17084 Day : 180

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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	17:31:38.350	--	79425	No Start	--	14600

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
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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