

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	05-JUN-2010
Start Time of First Product	23:45 (05-Jun)
Stop Time of Last Product	23:37:36
Number of EGOI Products analysed	38
Number of corrupted products	1
Anomalies and/or Special Operations	Narrow Swath continued from previous day, stop orbit: 79080

1.2 - List of received products

Name	Date	Time
EGOI_100605BEEP2934.E2	05-JUN-2010	01:58:50.148
EGOI_100605BEEP2942.E2	05-JUN-2010	03:37:38.749
EGOI_100605GSEP7791.E2	05-JUN-2010	01:33:00.491
EGOI_100605GSEP7823.E2	05-JUN-2010	03:10:47.581
EGOI_100605GSEP7832.E2	05-JUN-2010	04:53:40.714
EGOI_100605KSEP1271.E2	05-JUN-2010	06:52:26.437
EGOI_100605KSEP1290.E2	05-JUN-2010	08:32:22.546
EGOI_100605KSEP1310.E2	05-JUN-2010	10:12:03.658
EGOI_100605KSEP1331.E2	05-JUN-2010	11:51:37.264

EGOI_100605KSEP1351.E2	05-JUN-2010	13:30:33.375
EGOI_100605KSEP1361.E2	05-JUN-2010	15:09:15.977
EGOI_100605KSEP1388.E2	05-JUN-2010	16:46:45.068
EGOI_100605KSEP1419.E2	05-JUN-2010	18:24:41.171
EGOI_100605KSEP1451.E2	05-JUN-2010	20:03:25.270
EGOI_100605KSEP1476.E2	05-JUN-2010	21:44:24.392
EGOI_100605KSEP1493.E2	05-JUN-2010	23:27:46.023
EGOI_100605MAEP2915.E2	05-JUN-2010	08:40:28.597
EGOI_100605MAEP2927.E2	05-JUN-2010	10:19:30.701
EGOI_100605MAEP2947.E2	05-JUN-2010	19:57:16.231
EGOI_100605MAEP2969.E2	05-JUN-2010	21:36:18.341
EGOI_100605MIEP4611.E2	05-JUN-2010	03:06:29.558
EGOI_100605MIEP4641.E2	05-JUN-2010	15:26:46.079
EGOI_100605MIEP4668.E2	05-JUN-2010	17:06:42.189
EGOI_100605MMEP9424.E2	05-JUN-2010	00:50:15.229
EGOI_100605MMEP9430.E2	05-JUN-2010	02:32:32.347
EGOI_100605MMEP9440.E2	05-JUN-2010	11:00:02.451
EGOI_100605MMEP9448.E2	05-JUN-2010	12:40:01.562
EGOI_100605MMEP9460.E2	05-JUN-2010	19:18:14.493
EGOI_100605MMEP9469.E2	05-JUN-2010	22:37:24.710
EGOI_100605MSEP7804.E2	04-JUN-2010	23:44:59.827
EGOI_100605MSEP7826.E2	05-JUN-2010	10:26:36.744
EGOI_100605MSEP7855.E2	05-JUN-2010	12:04:29.842
EGOI_100605MSEP7864.E2	05-JUN-2010	13:47:22.973
EGOI_100605MSEP7896.E2	05-JUN-2010	23:13:26.437
EGOI_100605SGEP6055.E2	05-JUN-2010	02:11:26.222
EGOI_100605SGEP6061.E2	05-JUN-2010	03:48:01.312
EGOI_100605SGEP6069.E2	05-JUN-2010	14:46:29.340
EGOI_100605SGEP6077.E2	05-JUN-2010	16:24:23.931

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79076	05-JUN-2010	08:30:50.217	08:32:22.546	92.329000
KS	79077	05-JUN-2010	10:10:27.893	10:12:03.658	95.765000
KS	79078	05-JUN-2010	11:49:57.006	11:51:37.264	100.25800
KS	79079	05-JUN-2010	13:28:59.553	13:30:33.375	93.822000
KS	79080	05-JUN-2010	15:07:26.939	15:09:15.977	109.03800
KS	79081	05-JUN-2010	16:45:03.690	16:46:45.068	101.37800
KS	79082	05-JUN-2010	18:23:01.202	18:24:41.171	99.969000
KS	79083	05-JUN-2010	20:02:11.161	20:03:25.269	74.108000
KS	79084	05-JUN-2010	21:43:12.839	21:44:24.391	71.552000

GS	79072	05-JUN-2010	01:31:51.918	01:33:00.491	68.573000
MS	79077	05-JUN-2010	10:24:53.841	10:26:36.744	102.90300
MS	79078	05-JUN-2010	12:02:55.692	12:04:29.842	94.150000
MS	79085	05-JUN-2010	23:12:04.367	23:13:26.437	82.070000
MA	79083	05-JUN-2010	19:55:19.907	19:57:16.231	116.32400
MA	79084	05-JUN-2010	21:34:46.501	21:36:18.340	91.839000
MI	79073	05-JUN-2010	03:05:05.524	03:06:29.558	84.034000
MI	79080	05-JUN-2010	15:25:19.556	15:26:46.079	86.523000
MI	79081	05-JUN-2010	17:05:16.313	17:06:42.189	85.876000
MM	79082	05-JUN-2010	19:16:51.212	19:18:14.492	83.280000
BE	79072	05-JUN-2010	01:57:01.878	01:58:50.147	108.26900
BE	79073	05-JUN-2010	03:35:54.540	03:37:38.748	104.20800
SG	79072	05-JUN-2010	02:10:11.599	02:11:26.222	74.623000
SG	79073	05-JUN-2010	03:46:51.041	03:48:01.311	70.270000
SG	79079	05-JUN-2010	14:42:58.400	14:46:29.340	210.94000
SG	79079	05-JUN-2010	14:48:24.847	14:55:35.189	430.34200
SG	79080	05-JUN-2010	16:22:31.134	16:24:23.930	112.79600
SG	79080	05-JUN-2010	16:26:46.445	16:34:15.218	448.77300

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79071	05-JUN-2010	00:37:54.299	00:52:11.173	856.87400
KS	79071	05-JUN-2010	00:00:21.745	00:05:49.729	327.98400
MM	79073	05-JUN-2010	04:15:19.451	04:21:38.555	379.10400
CM	79073	05-JUN-2010	03:05:26.844	03:15:13.888	587.04400
CM	79073	05-JUN-2010	04:43:40.978	04:55:06.367	685.38900
MM	79074	05-JUN-2010	05:57:43.495	06:03:42.497	359.00200
MI	79074	05-JUN-2010	04:46:21.034	04:55:54.719	573.68500
MM	79075	05-JUN-2010	07:38:49.970	07:46:45.865	475.89500
JO	79075	05-JUN-2010	07:17:10.584	07:30:30.876	800.29200
MM	79076	05-JUN-2010	09:19:17.305	09:29:30.673	613.36800
JO	79076	05-JUN-2010	08:55:50.338	09:10:04.660	854.32200
HO	79079	05-JUN-2010	14:28:08.985	14:40:10.301	721.31600
MM	79079	05-JUN-2010	14:19:05.030	14:31:48.430	763.40000
SG	79079	05-JUN-2010	14:42:58.400	14:55:35.189	756.78900

BE	79080	05-JUN-2010	14:52:56.539	15:05:33.146	756.60700
MM	79080	05-JUN-2010	15:58:30.522	16:11:05.629	755.10700
GS	79080	05-JUN-2010	15:19:15.590	15:32:44.462	808.87200
CM	79080	05-JUN-2010	15:29:03.736	15:38:56.439	592.70300
MM	79081	05-JUN-2010	17:37:41.972	17:50:13.845	751.87300
GS	79081	05-JUN-2010	16:58:49.728	17:11:38.514	768.78600
CM	79081	05-JUN-2010	17:07:34.582	17:18:53.432	678.85000
JO	79082	05-JUN-2010	19:37:14.050	19:49:39.949	745.89900
MM	79083	05-JUN-2010	20:56:19.624	21:09:03.092	763.46800
JO	79083	05-JUN-2010	21:15:35.060	21:30:11.366	876.30600
HO	79084	05-JUN-2010	22:28:52.387	22:41:06.922	734.53500

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1.5 - List of corrupted products

Station	Orbit	Time
GS	79073	03:11:17.585

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

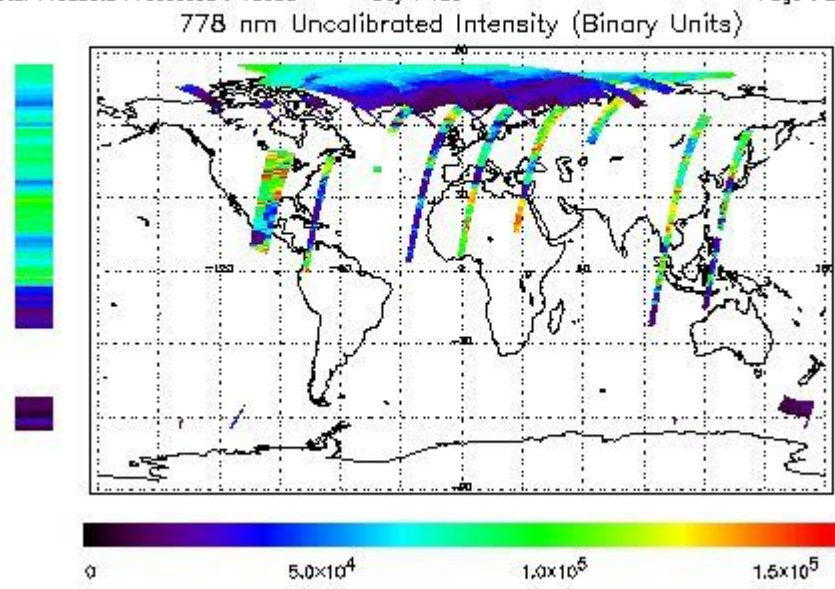
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 4 Summation	OK
Log Pages	OK
331/338 nm Uncal. Line Ratio	OK
Uncal. PMDs as RGB signal	OK
780 nm Uncal. Intensity	OK

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 : 04-JUN-2010 23:44:59.827 : ORBIT : 79071.0077
 Last Product : 05-JUN-2010 23:37:32.581 : ORBIT : 79085.2479
 Total Products Processed : 18038 Day : 156 Page : 21

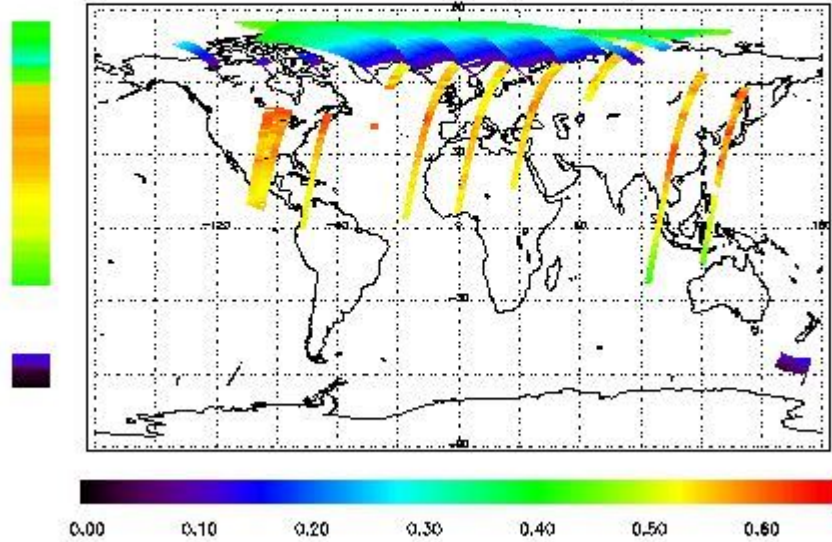


Ozone Line Ratio

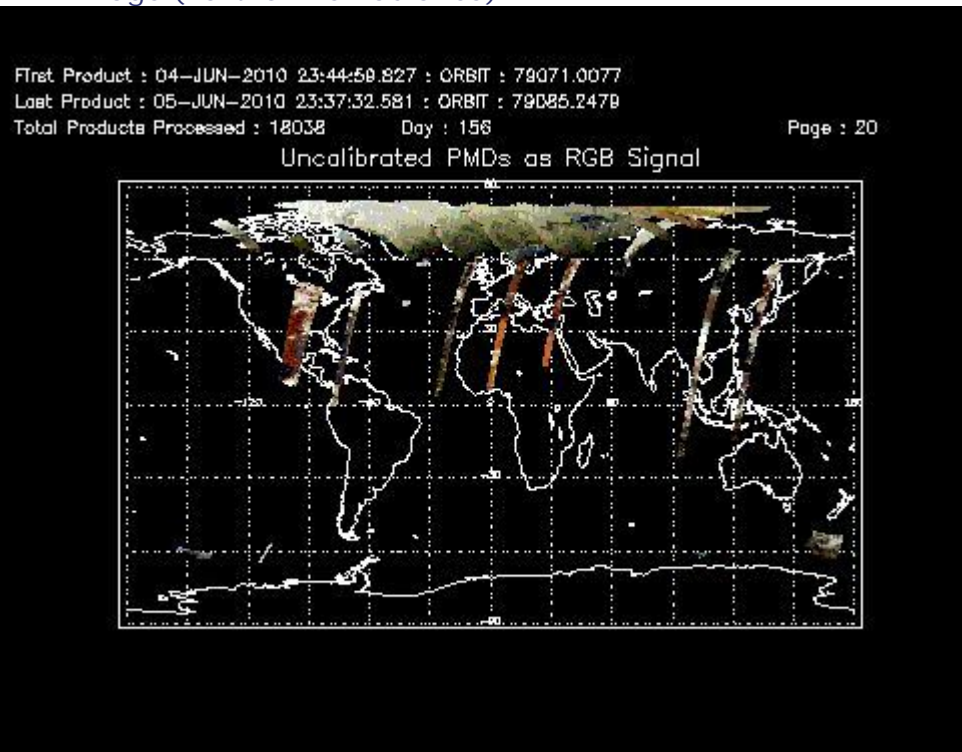
First Product : 04-JUN-2010 23:44:50.827 : ORBIT : 79071.0077
 Last Product : 05-JUN-2010 23:37:32.581 : ORBIT : 79085.2479
 Total Products Processed : 18038 Day : 156

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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	16:46:45	--	79081	Yes	--	14510

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
18:30	16:00	79068	79080

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