GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-MAY-2010
Start Time of First Product	00:32:46
Stop Time of Last Product	23:20:26
Number of EGOI Products analysed	37
Number of corrupted products	1
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100527BEEP2860.E2	27-MAY-2010	03:20:24.481
EGOI_100527GSEP7187.E2	27-MAY-2010	01:16:28.231
EGOI_100527GSEP7217.E2	27-MAY-2010	02:53:57.325
EGOI_100527GSEP7244.E2	27-MAY-2010	04:35:44.442
EGOI_100527GSEP7250.E2	27-MAY-2010	06:17:45.067
EGOI_100527KSEP9033.E2	27-MAY-2010	06:35:21.165
EGOI_100527KSEP9061.E2	27-MAY-2010	08:15:18.774
EGOI_100527KSEP9081.E2	27-MAY-2010	09:54:55.381
EGOI_100527KSEP9102.E2	27-MAY-2010	11:34:31.990

EGOI_100527KSEP9131.E2	27-MAY-2010	13:13:35.589
EGOI_100527KSEP9142.E2	27-MAY-2010	14:52:19.692
EGOI_100527KSEP9169.E2	27-MAY-2010	16:29:59.287
EGOI_100527KSEP9199.E2	27-MAY-2010	18:07:58.382
EGOI_100527KSEP9230.E2	27-MAY-2010	19:46:15.481
EGOI_100527KSEP9252.E2	27-MAY-2010	21:26:50.599
EGOI_100527KSEP9276.E2	27-MAY-2010	23:09:43.724
EGOI_100527MAEP2662.E2	27-MAY-2010	10:02:25.427
EGOI_100527MAEP2678.E2	27-MAY-2010	21:19:05.548
EGOI_100527MIEP3825.E2	27-MAY-2010	02:49:49.795
EGOI_100527MIEP3853.E2	27-MAY-2010	04:29:47.400
EGOI_100527MIEP3881.E2	27-MAY-2010	15:10:07.802
EGOI_100527MIEP3910.E2	27-MAY-2010	16:49:12.900
EGOI_100527MMEP9052.E2	27-MAY-2010	00:32:45.963
EGOI_100527MMEP9057.E2	27-MAY-2010	02:14:55.584
EGOI_100527MMEP9064.E2	27-MAY-2010	05:40:07.326
EGOI_100527MMEP9073.E2	27-MAY-2010	07:21:40.947
EGOI_100527MMEP9081.E2	27-MAY-2010	09:02:31.057
EGOI_100527MMEP9089.E2	27-MAY-2010	10:42:54.177
EGOI_100527MMEP9096.E2	27-MAY-2010	12:22:51.783
EGOI_100527MMEP9105.E2	27-MAY-2010	14:02:35.890
EGOI_100527MSEP6796.E2	27-MAY-2010	10:10:13.474
EGOI_100527MSEP6821.E2	27-MAY-2010	11:47:27.568
EGOI_100527MSEP6843.E2	27-MAY-2010	13:29:05.688
EGOI_100527MSEP6858.E2	27-MAY-2010	21:21:07.060
EGOI_100527MSEP6890.E2	27-MAY-2010	22:56:03.138
EGOI_100527SGEP5930.E2	27-MAY-2010	01:56:53.981
EGOI_100527SGEP5935.E2	27-MAY-2010	03:31:48.552

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78947	27-MAY-2010	08:13:45.941	08:15:18.774	92.833000
KS	78948	27-MAY-2010	09:53:23.291	09:54:55.381	92.090000
KS	78949	27-MAY-2010	11:32:55.074	11:34:31.990	96.916000
KS	78950	27-MAY-2010	13:12:03.586	13:13:35.589	92.003000
KS	78951	27-MAY-2010	14:50:43.084	14:52:19.691	96.607000
KS	78952	27-MAY-2010	16:28:22.198	16:29:59.287	97.089000
KS	78953	27-MAY-2010	18:06:09.647	18:07:58.381	108.73400
KS	78954	27-MAY-2010	19:45:04.253	19:46:15.481	71.228000
KS	78955	27-MAY-2010	21:25:44.116	21:26:50.599	66.483000
GS	78944	27-MAY-2010	02:52:43.377	02:53:57.325	73.948000

MS	78948	27-MAY-2010	10:08:38.764	10:10:13.474	94.710000
MS	78949	27-MAY-2010	11:45:49.137	11:47:27.568	98.431000
MS	78950	27-MAY-2010	13:27:40.106	13:29:05.687	85.581000
MA	78955	27-MAY-2010	21:17:25.250	21:19:05.547	100.29700
MI	78944	27-MAY-2010	02:48:26.576	02:49:49.795	83.219000
MI	78945	27-MAY-2010	04:28:21.464	04:29:47.400	85.936000
MI	78951	27-MAY-2010	15:08:40.689	15:10:07.801	87.112000
MI	78952	27-MAY-2010	16:47:48.007	16:49:12.900	84.893000
BE	78944	27-MAY-2010	03:18:46.592	03:20:24.481	97.889000
SG	78944	27-MAY-2010	03:29:44.374	03:31:48.551	124.17700
SG	78944	27-MAY-2010	03:37:29.086	03:43:37.316	368.23000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78942	27-MAY-2010	00:20:34.116	00:35:12.186	878.07000
HO	78943	27-MAY-2010	02:04:47.917	02:12:07.011	439.09400
MM	78944	27-MAY-2010	03:57:39.546	04:04:17.112	397.56600
CM	78944	27-MAY-2010	02:49:38.511	02:57:17.352	458.84100
CM	78944	27-MAY-2010	04:26:17.347	04:38:24.998	727.65100
JO	78946	27-MAY-2010	07:00:55.358	07:13:02.433	727.07500
MA	78947	27-MAY-2010	08:22:51.462	08:34:14.390	682.92800
JO	78947	27-MAY-2010	08:38:30.066	08:53:16.636	886.57000
MA	78949	27-MAY-2010	11:42:55.032	11:49:28.173	393.14100
BE	78950	27-MAY-2010	12:57:21.425	13:08:49.661	688.23600
SG	78950	27-MAY-2010	14:26:40.286	14:37:56.736	676.45000
BE	78951	27-MAY-2010	14:35:34.170	14:48:41.333	787.16300
MM	78951	27-MAY-2010	15:41:29.020	15:54:05.653	756.63300
GS	78951	27-MAY-2010	15:02:22.589	15:15:18.993	776.40400
SG	78951	27-MAY-2010	16:04:56.854	16:17:51.170	774.31600
CM	78951	27-MAY-2010	15:13:06.925	15:20:43.237	456.31200
MM	78952	27-MAY-2010	17:20:42.347	17:33:13.903	751.55600
GS	78952	27-MAY-2010	16:41:39.060	16:54:59.868	800.80800
CM	78952	27-MAY-2010	16:50:15.381	17:02:18.645	723.26400
MM	78953	27-MAY-2010	18:59:50.656	19:12:28.356	757.70000
GS	78953	27-MAY-2010	18:22:50.798	18:29:51.195	420.39700

JO	78953	27-MAY-2010	19:20:59.702	19:31:36.533	636.83100
MM	78954	27-MAY-2010	20:39:14.059	20:51:58.045	763.98600
MA	78954	27-MAY-2010	19:38:48.828	19:50:55.074	726.24600
JO	78954	27-MAY-2010	20:58:26.593	21:13:23.465	896.87200
HO	78955	27-MAY-2010	22:12:38.583	22:23:50.149	671.56600
MM	78955	27-MAY-2010	22:19:16.022	22:31:43.885	747.86300
JO	78955	27-MAY-2010	22:40:35.776	22:48:04.251	448.47500
HO	78956	27-MAY-2010	23:49:30.005	00:03:57.670	867.66500

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1.5 - List of corrupted products

Station	Orbit	Time
MM	78949	12:22:51.782

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

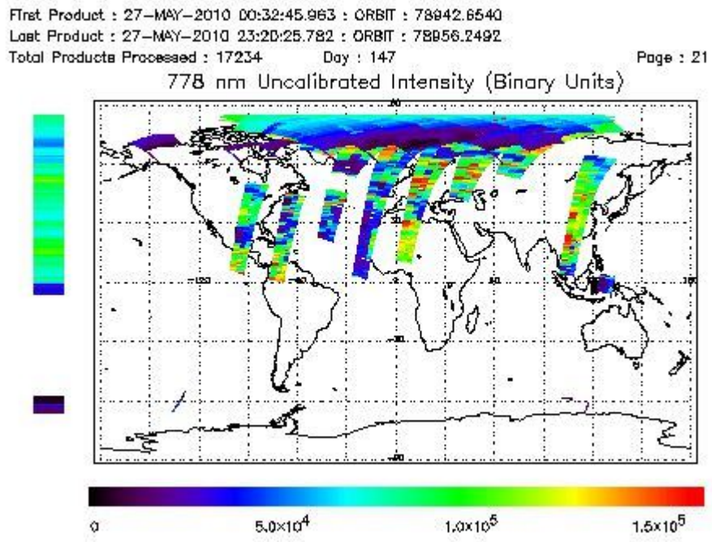
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration 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

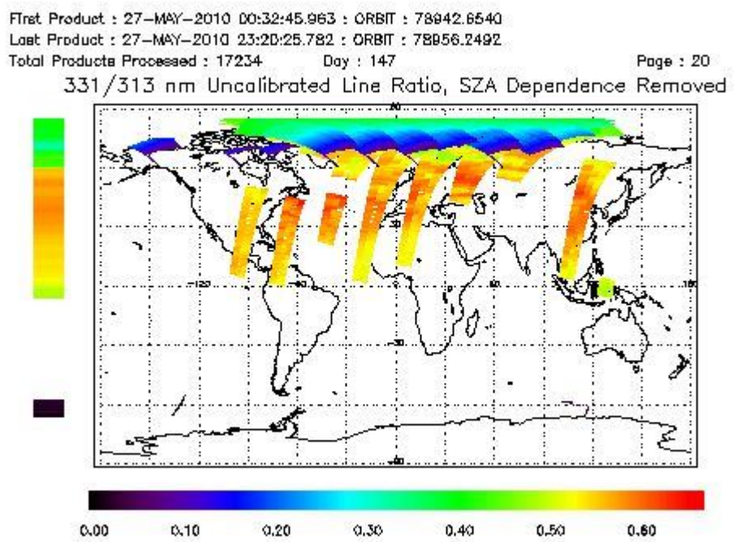
2.2 - Daily Plots

The images linked below provide a quick check on the data coverage and instrument performance. All data are UNCALIBRATED. For the explaination see the GOME Performance Legend

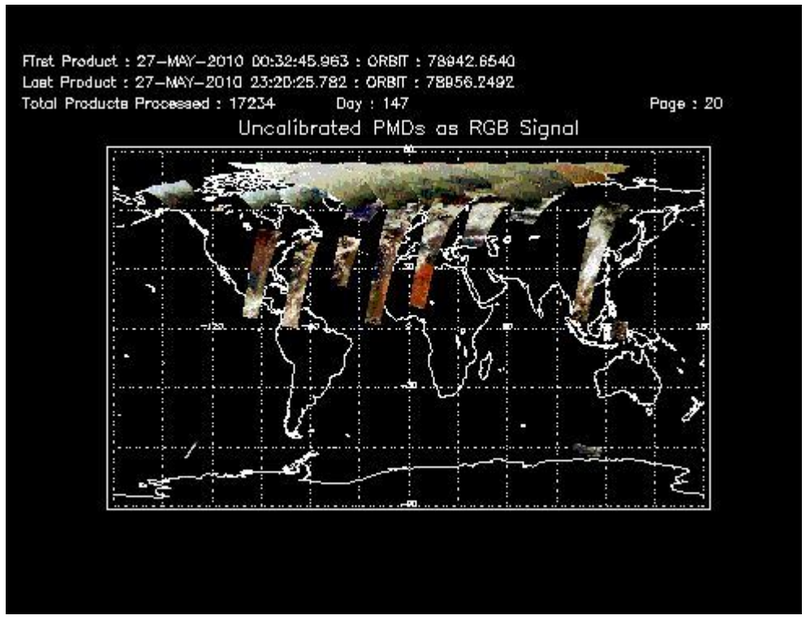
NEAR IR Intensity



Ozone Line Ratio



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	18:10:04.397	--	78953	Yes	--	14610

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)

[BACK TO MENU]

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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[BACK TO MENU]

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
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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
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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