GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	27-MAY-2011
Start Time of First Product	00:23:45
Stop Time of Last Product	22:33:50
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_110527CMEP6886.E2	27-MAY-2011	03:42:03.011
EGOI_110527CMEP6892.E2	27-MAY-2011	05:23:09.632
EGOI_110527CMEP6899.E2	27-MAY-2011	16:04:54.052
EGOI_110527CMEP6909.E2	27-MAY-2011	17:45:35.174
EGOI_110527GSEP3116.E2	27-MAY-2011	00:34:06.362
EGOI_110527GSEP3138.E2	27-MAY-2011	02:09:35.444
EGOI_110527GSEP3163.E2	27-MAY-2011	03:48:48.050
EGOI_110527GSEP3172.E2	27-MAY-2011	05:31:20.185
EGOI_110527KSEP3578.E2	27-MAY-2011	07:29:31.400

EGOI_110527KSEP3597.E2	27-MAY-2011	09:09:23.014
EGOI_110527KSEP3619.E2	27-MAY-2011	10:48:58.124
EGOI_110527KSEP3644.E2	27-MAY-2011	12:28:07.727
EGOI_110527KSEP3659.E2	27-MAY-2011	14:07:00.832
EGOI_110527KSEP3681.E2	27-MAY-2011	15:44:50.930
EGOI_110527KSEP3694.E2	27-MAY-2011	17:22:33.528
EGOI_110527KSEP3724.E2	27-MAY-2011	19:00:14.631
EGOI_110527KSEP3742.E2	27-MAY-2011	20:39:34.734
EGOI_110527KSEP3762.E2	27-MAY-2011	22:21:35.363
EGOI_110527MAEP8080.E2	27-MAY-2011	09:16:36.554
EGOI_110527MAEP8097.E2	27-MAY-2011	10:56:29.667
EGOI_110527MAEP8120.E2	27-MAY-2011	20:33:24.196
EGOI_110527MAEP8136.E2	27-MAY-2011	22:13:32.308
EGOI_110527MIEP3352.E2	27-MAY-2011	02:07:08.429
EGOI_110527MIEP3372.E2	27-MAY-2011	03:43:58.522
EGOI_110527MIEP3391.E2	27-MAY-2011	14:26:50.454
EGOI_110527MIEP3418.E2	27-MAY-2011	16:03:19.544
EGOI_110527MIEP3441.E2	27-MAY-2011	17:44:41.166
EGOI_110527MSEP9082.E2	27-MAY-2011	00:23:45.300
EGOI_110527MSEP9108.E2	27-MAY-2011	11:02:10.207
EGOI_110527MSEP9136.E2	27-MAY-2011	12:41:30.312
EGOI_110527MSEP9161.E2	27-MAY-2011	22:11:06.793
EGOI_110527SGEP3455.E2	27-MAY-2011	02:46:56.671
EGOI_110527SGEP3463.E2	27-MAY-2011	04:26:09.276
EGOI_110527SGEP3471.E2	27-MAY-2011	17:03:07.911

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	84167	27-MAY-2011	00:49:31.324	01:03:24.491	833.16700
MM	84167	27-MAY-2011	01:01:21.569	01:11:50.255	628.68600
KS	84167	27-MAY-2011	00:12:47.625	00:16:50.241	242.61600
BE	84168	27-MAY-2011	02:08:10.117	02:20:23.843	733.72600
MM	84168	27-MAY-2011	02:44:00.279	02:52:14.916	494.63700
BE	84169	27-MAY-2011	03:47:22.064	04:00:00.553	758.48900
MM	84169	27-MAY-2011	04:27:05.372	04:33:14.044	368.67200
MM	84170	27-MAY-2011	06:09:20.184	06:15:27.601	367.41700

MM	84171	27-MAY-2011	07:50:20.135	07:58:32.554	492.41900
JO	84171	27-MAY-2011	07:28:08.447	07:42:04.946	836.49900
MM	84172	27-MAY-2011	09:30:44.856	09:41:11.808	626.95200
JO	84172	27-MAY-2011	09:07:30.634	09:21:11.854	821.22000
HO	84173	27-MAY-2011	11:21:21.070	11:31:59.544	638.47400
MM	84173	27-MAY-2011	11:10:52.993	11:22:50.556	717.56300
HO	84174	27-MAY-2011	12:59:23.290	13:14:12.704	889.41400
MM	84174	27-MAY-2011	12:50:47.694	13:03:25.859	758.16500
HO	84175	27-MAY-2011	14:39:42.821	14:50:47.520	664.69900
MM	84175	27-MAY-2011	14:30:27.645	14:43:10.442	762.79700
SG	84175	27-MAY-2011	14:53:59.842	15:07:12.236	792.39400
BE	84176	27-MAY-2011	15:04:37.743	15:16:44.138	726.39500
MM	84176	27-MAY-2011	16:09:51.277	16:22:25.467	754.19000
GS	84176	27-MAY-2011	15:30:33.226	15:44:16.328	823.10200
SG	84176	27-MAY-2011	16:34:24.471	16:45:00.143	635.67200
MM	84177	27-MAY-2011	17:49:01.666	18:01:33.959	752.29300
GS	84177	27-MAY-2011	17:10:18.416	17:22:39.847	741.43100
MM	84178	27-MAY-2011	19:28:11.892	19:40:52.271	760.37900
JO	84178	27-MAY-2011	19:48:13.194	20:01:30.714	797.52000
MM	84179	27-MAY-2011	21:07:44.027	21:20:26.718	762.69100
JO	84179	27-MAY-2011	21:27:04.192	21:41:17.421	853.22900
HO	84180	27-MAY-2011	22:39:46.748	22:52:34.712	767.96400
MM	84180	27-MAY-2011	22:48:00.732	23:00:16.794	736.06200
KS	84181	27-MAY-2011	23:38:58.617	23:46:16.437	437.82000

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

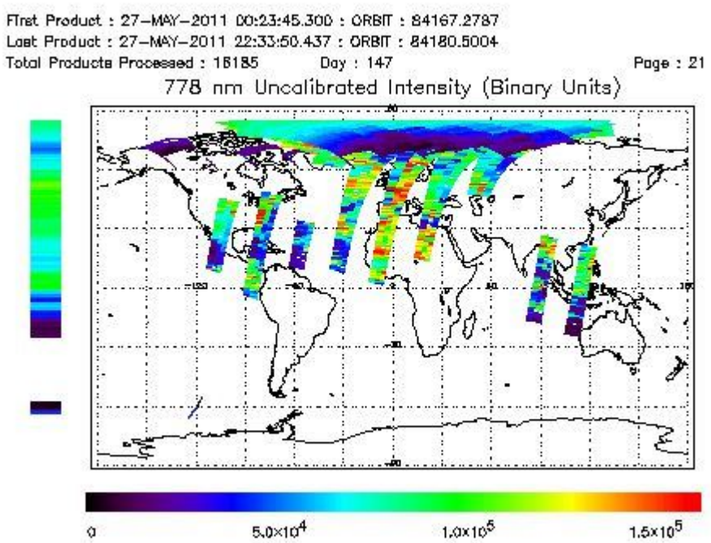
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK

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

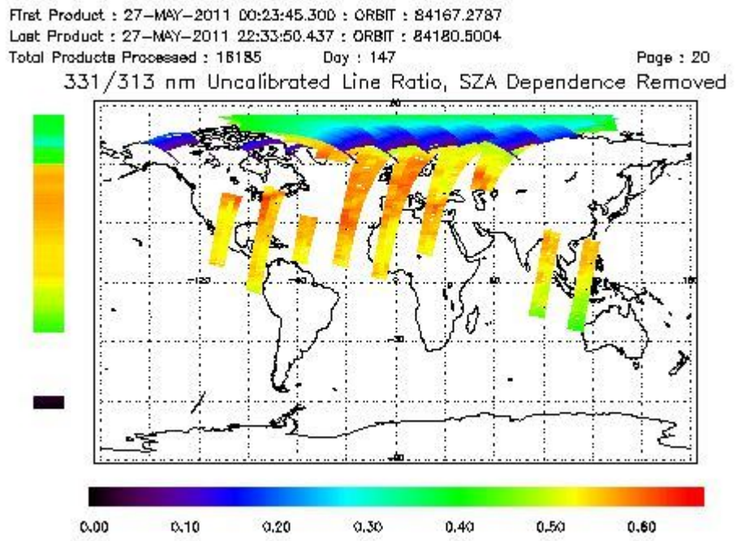
2.2 - Daily Plots

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

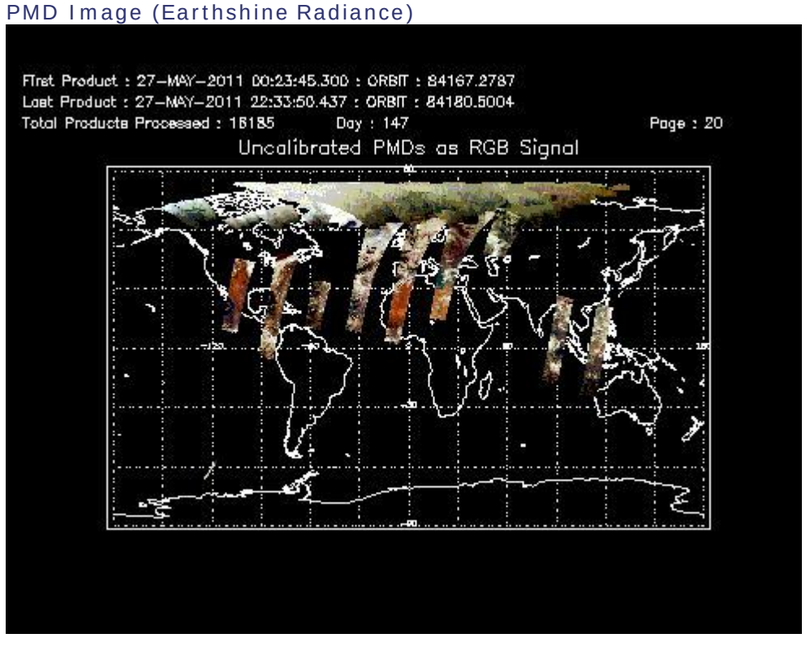
NEAR IR Intensity



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	17:23:23.032	--	84177	Yes	--	--

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
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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