GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	18-SEP-2009
Start Time of First Product	01:00:48
Stop Time of Last Product	23:10:06
Number of EGOI Products analysed	39
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_090918BEEP0717.E2	18-SEP-2009	03:10:02.622
EGOI_090918BEEP0723.E2	18-SEP-2009	04:50:51.232
EGOI_090918GSEP9030.E2	18-SEP-2009	01:06:28.876
EGOI_090918GSEP9062.E2	18-SEP-2009	02:43:39.962
EGOI_090918GSEP9091.E2	18-SEP-2009	04:24:45.080
EGOI_090918KSEP2941.E2	18-SEP-2009	06:25:03.806
EGOI_090918KSEP2962.E2	18-SEP-2009	08:04:56.916
EGOI_090918KSEP2990.E2	18-SEP-2009	09:44:35.023
EGOI_090918KSEP3017.E2	18-SEP-2009	11:24:14.626

EGOI_090918KSEP3049.E2	18-SEP-2009	13:03:21.232
EGOI_090918KSEP3063.E2	18-SEP-2009	14:42:08.330
EGOI_090918KSEP3088.E2	18-SEP-2009	16:19:47.926
EGOI_090918KSEP3120.E2	18-SEP-2009	17:57:54.520
EGOI_090918KSEP3156.E2	18-SEP-2009	19:35:50.614
EGOI_090918KSEP3191.E2	18-SEP-2009	21:16:10.723
EGOI_090918KSEP3220.E2	18-SEP-2009	22:58:50.352
EGOI_090918MAEP3991.E2	18-SEP-2009	08:13:25.467
EGOI_090918MAEP4006.E2	18-SEP-2009	09:52:05.066
EGOI_090918MIEP9426.E2	18-SEP-2009	02:40:00.939
EGOI_090918MIEP9455.E2	18-SEP-2009	04:18:57.044
EGOI_090918MIEP9481.E2	18-SEP-2009	15:00:05.435
EGOI_090918MIEP9511.E2	18-SEP-2009	16:38:46.539
EGOI_090918MMEP8465.E2	18-SEP-2009	02:04:11.220
EGOI_090918MMEP8472.E2	18-SEP-2009	03:47:01.345
EGOI_090918MMEP8478.E2	18-SEP-2009	05:29:24.470
EGOI_090918MMEP8488.E2	18-SEP-2009	07:11:07.083
EGOI_090918MMEP8498.E2	18-SEP-2009	15:31:41.632
EGOI_090918MMEP8505.E2	18-SEP-2009	17:11:39.239
EGOI_090918MMEP8511.E2	18-SEP-2009	18:50:50.340
EGOI_090918MMEP8519.E2	18-SEP-2009	20:29:56.946
EGOI_090918MMEP8529.E2	18-SEP-2009	22:10:06.555
EGOI_090918MSEP7611.E2	18-SEP-2009	01:00:48.337
EGOI_090918MSEP7623.E2	18-SEP-2009	10:00:29.117
EGOI_090918MSEP7645.E2	18-SEP-2009	11:37:14.704
EGOI_090918MSEP7667.E2	18-SEP-2009	13:18:09.318
EGOI_090918MSEP7700.E2	18-SEP-2009	22:46:06.774
EGOI_090918SGEP9812.E2	18-SEP-2009	03:20:41.685
EGOI_090918SGEP9819.E2	18-SEP-2009	05:03:07.806
EGOI_090918SGEP9835.E2	18-SEP-2009	15:56:13.280

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	75353	18-SEP-2009	06:23:15.385	06:25:03.806	108.42100
KS	75354	18-SEP-2009	08:02:23.343	08:04:56.915	153.57200
KS	75355	18-SEP-2009	09:42:00.121	09:44:35.022	154.90100
KS	75356	18-SEP-2009	11:21:33.406	11:24:14.625	161.21900
KS	75357	18-SEP-2009	13:00:45.564	13:03:21.231	155.66700
KS	75358	18-SEP-2009	14:39:28.863	14:42:08.329	159.46600
KS	75359	18-SEP-2009	16:17:09.058	16:19:47.925	158.86700
KS	75360	18-SEP-2009	17:55:00.885	17:57:54.519	173.63400

KS	75361	18-SEP-2009	19:33:41.381	19:35:50.613	129.23200
KS	75362	18-SEP-2009	21:14:07.334	21:16:10.722	123.38800
KS	75363	18-SEP-2009	22:56:54.810	22:58:50.351	115.54100
GS	75350	18-SEP-2009	01:04:44.471	01:06:28.876	104.40500
GS	75351	18-SEP-2009	02:41:23.554	02:43:39.961	136.40700
GS	75352	18-SEP-2009	04:22:44.875	04:24:45.080	120.20500
MS	75356	18-SEP-2009	11:34:30.473	11:37:14.704	164.23100
MS	75357	18-SEP-2009	13:15:33.701	13:18:09.317	155.61600
MS	75363	18-SEP-2009	22:43:53.333	22:46:06.773	133.44000
MA	75354	18-SEP-2009	08:11:57.013	08:13:25.466	88.453000
MA	75355	18-SEP-2009	09:50:02.639	09:52:05.065	122.42600
MI	75351	18-SEP-2009	02:37:27.824	02:40:00.939	153.11500
MI	75352	18-SEP-2009	04:16:33.628	04:18:57.043	143.41500
MI	75358	18-SEP-2009	14:57:42.110	15:00:05.434	143.32400
MI	75359	18-SEP-2009	16:36:14.692	16:38:46.538	151.84600
MM	75350	18-SEP-2009	02:02:50.678	02:04:11.219	80.541000
MM	75351	18-SEP-2009	03:45:52.485	03:47:01.345	68.860000
MM	75353	18-SEP-2009	07:10:02.382	07:11:07.083	64.701000
MM	75358	18-SEP-2009	15:30:07.763	15:31:41.631	93.868000
MM	75359	18-SEP-2009	17:09:22.502	17:11:39.239	136.73700
MM	75360	18-SEP-2009	18:48:30.536	18:50:50.339	139.80300
MM	75361	18-SEP-2009	20:27:50.993	20:29:56.945	125.95200
MM	75362	18-SEP-2009	22:07:47.476	22:10:06.555	139.07900
MM	75363	18-SEP-2009	23:48:39.232	23:50:29.663	110.43100
BE	75351	18-SEP-2009	03:07:23.467	03:10:02.622	159.15500
BE	75352	18-SEP-2009	04:48:11.049	04:50:51.232	160.18300
SG	75351	18-SEP-2009	03:18:25.974	03:20:41.684	135.71000
SG	75352	18-SEP-2009	05:01:03.728	05:03:07.806	124.07800
SG	75358	18-SEP-2009	15:53:22.092	15:56:13.280	171.18800

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	75349	18-SEP-2009	00:09:13.584	00:23:50.791	877.20700
MM	75349	18-SEP-2009	00:20:34.517	00:31:45.411	670.89400
HO	75350	18-SEP-2009	01:52:05.856	02:01:33.978	568.12200

CM	75351	18-SEP-2009	02:39:34.342	02:44:54.384	320.04200
CM	75351	18-SEP-2009	04:14:49.443	04:27:11.012	741.56900
JO	75353	18-SEP-2009	06:50:14.623	07:01:17.080	662.45700
MM	75354	18-SEP-2009	08:50:37.464	09:00:14.388	576.92400
JO	75354	18-SEP-2009	08:27:02.649	08:42:00.519	897.87000
MM	75355	18-SEP-2009	10:30:51.347	10:42:18.965	687.61800
MM	75356	18-SEP-2009	12:10:51.472	12:23:18.786	747.31400
MA	75356	18-SEP-2009	11:31:18.527	11:39:02.708	464.18100
MM	75357	18-SEP-2009	13:50:37.567	14:03:21.468	763.90100
SG	75357	18-SEP-2009	14:16:00.870	14:25:59.435	598.56500
BE	75358	18-SEP-2009	14:24:04.912	14:37:23.842	798.93000
GS	75358	18-SEP-2009	14:51:10.063	15:03:36.333	746.27000
CM	75358	18-SEP-2009	15:03:02.021	15:08:00.325	298.30400
GS	75359	18-SEP-2009	16:30:13.413	16:43:49.816	816.40300
CM	75359	18-SEP-2009	16:38:48.403	16:51:07.688	739.28500
GS	75360	18-SEP-2009	18:11:04.959	18:19:22.029	497.07000
JO	75360	18-SEP-2009	19:10:25.446	19:19:16.976	531.53000
MA	75361	18-SEP-2009	19:27:53.329	19:39:19.128	685.79900
JO	75361	18-SEP-2009	20:47:04.314	21:02:05.895	901.58100
HO	75362	18-SEP-2009	22:01:54.494	22:12:13.829	619.33500
MA	75362	18-SEP-2009	21:05:56.358	21:19:16.454	800.09600
JO	75362	18-SEP-2009	22:28:28.285	22:37:51.569	563.28400
HO	75363	18-SEP-2009	23:38:11.694	23:52:34.854	863.16000

[BACK TO MENU]

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

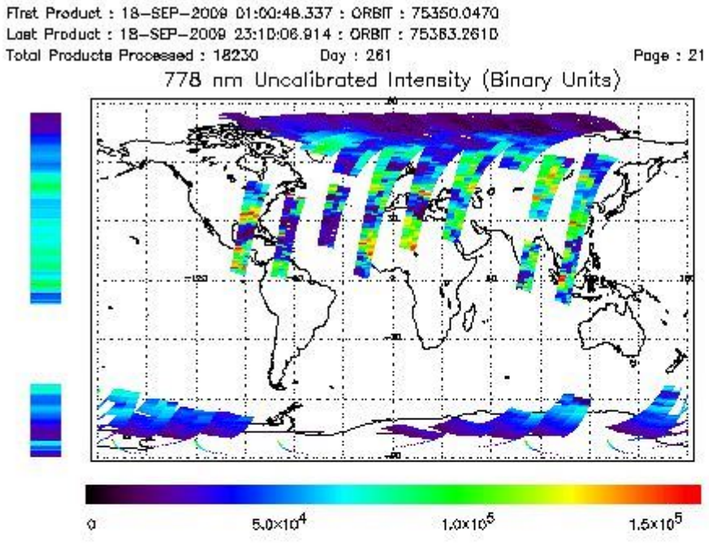
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	South Polar View operations
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperaturas B	OK
Charge Amp Temperatures	OK
Other 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

(1)

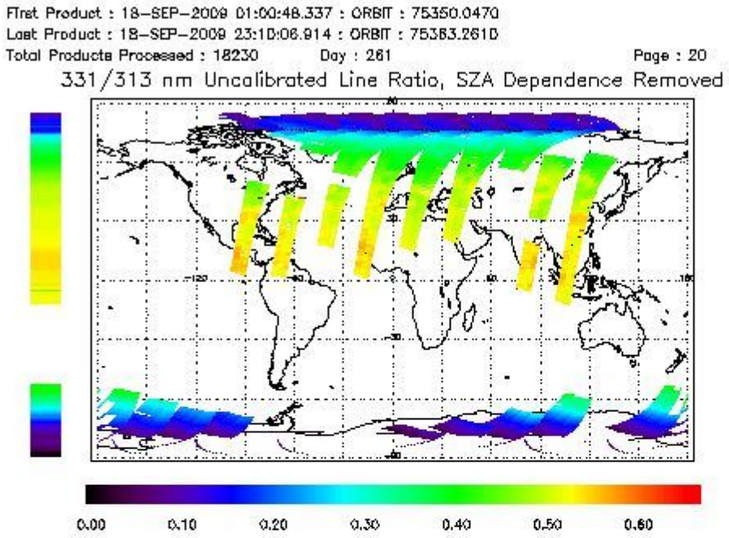
2.2 **- Daily Plots**

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

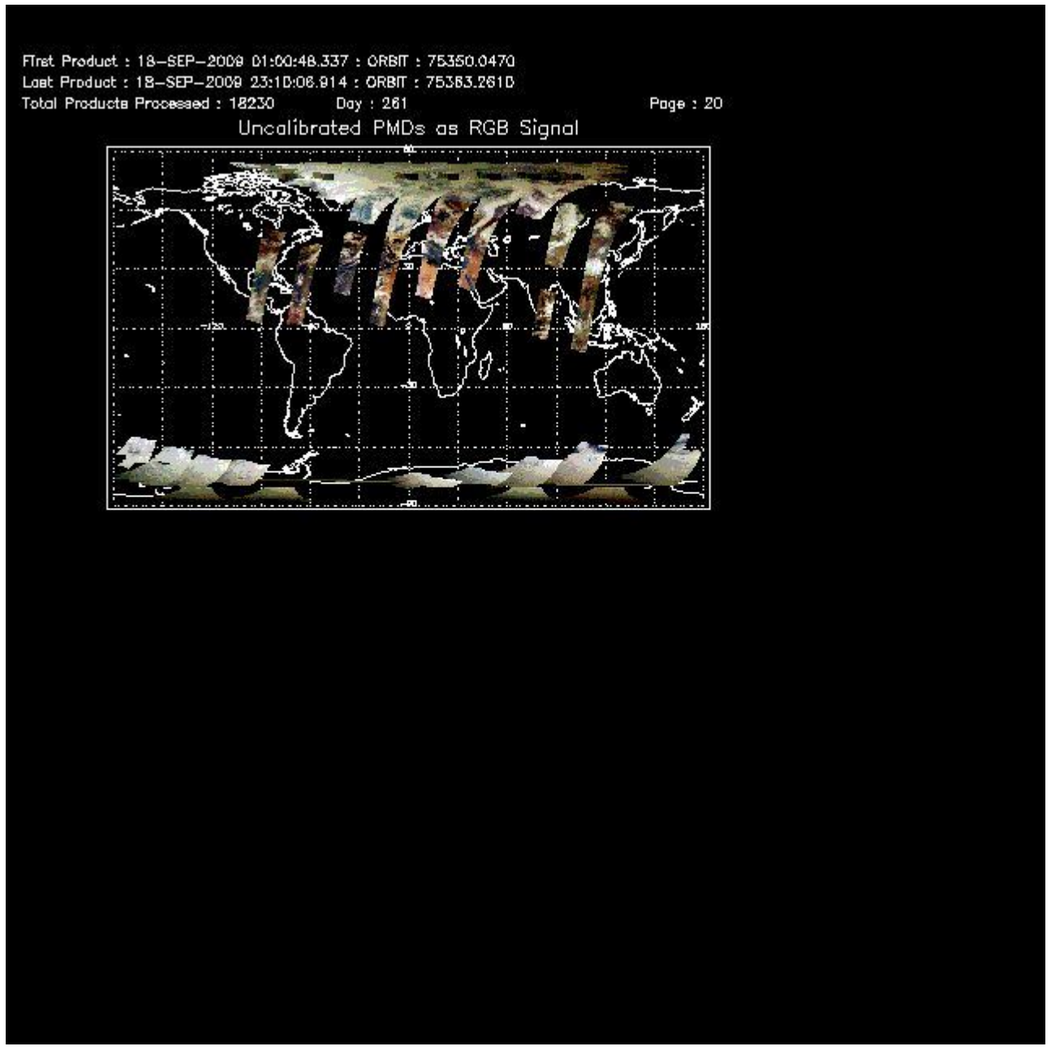
NEAR IR Intensity



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 (Y/NS/NE)	Warm Detector Temperature (TST/44)	Max PMD Readout during solar calibration (BU set 2/12)
D	19:45:56.680	--	75361	Y	--	15080

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(Q)/TST44(T)	Start Time	End Time	Orbit	Ground Station Visibility (Y/NS/NE)	Warm Detector Temperature (TST/44)	Lamp Instability Voltage (if any)(V)	Lamp Failure N. (if any)
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(2)(3)

[BACK TO MENU]

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--	--

(2)

4.3 - Cooler Switchings

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)	Max Temp. Ch 1	Max Temp. Ch 2	Max Temp. Ch 3	Max Temp. Ch 4
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(2)

[BACK TO MENU]

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5 - Instrument Operations

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.2 - TST44

Start Time	Start Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--

(2)

5.3 - Power Cycle

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility (Y/NS/NE)
--	--	--	--	--

(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	End Orbit
--	--	--	--

5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	End Orbit

01:00 05-Sep	--	75164	--

[BACK TO MENU]

Legend:
(1) The Instrument Indicators field has the values: OK or NOK (Not OK)
(2) The Ground Station Visibility field has the values: Y (in case of visibility); NS (No Start); NE (No End). This occurs since the failure of the on-board recorder (2003)
(3) 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