GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	21-JUN-2010
Start Time of First Product	20-JUN-2010 23:42:08
Stop Time of Last Product	23:34:42
Number of EGOI Products analysed	28
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100621BEEP3090.E2	21-JUN-2010	01:56:01.987
EGOI_100621GSEP9009.E2	21-JUN-2010	01:30:34.835
EGOI_100621GSEP9040.E2	21-JUN-2010	03:07:57.929
EGOI_100621GSEP9049.E2	21-JUN-2010	04:51:13.550
EGOI_100621KSEP5166.E2	21-JUN-2010	06:49:38.279
EGOI_100621KSEP5183.E2	21-JUN-2010	08:29:35.886
EGOI_100621KSEP5201.E2	21-JUN-2010	10:09:15.496
EGOI_100621KSEP5221.E2	21-JUN-2010	11:48:49.098
EGOI_100621KSEP5238.E2	21-JUN-2010	13:27:46.704

EGOI_100621KSEP5257.E2	21-JUN-2010	15:06:29.307
EGOI_100621KSEP5285.E2	21-JUN-2010	16:43:58.402
EGOI_100621KSEP5316.E2	21-JUN-2010	18:21:56.000
EGOI_100621KSEP5344.E2	21-JUN-2010	20:00:37.099
EGOI_100621KSEP5370.E2	21-JUN-2010	21:41:31.713
EGOI_100621KSEP5388.E2	21-JUN-2010	23:24:45.843
EGOI_100621MAEP3552.E2	21-JUN-2010	08:37:35.932
EGOI_100621MAEP3567.E2	21-JUN-2010	10:16:41.039
EGOI_100621MAEP3589.E2	21-JUN-2010	21:33:28.666
EGOI_100621MSEP9651.E2	20-JUN-2010	23:42:08.673
EGOI_100621MSEP9676.E2	21-JUN-2010	10:23:53.087
EGOI_100621MSEP9705.E2	21-JUN-2010	12:01:44.677
EGOI_100621MSEP9718.E2	21-JUN-2010	13:44:25.811
EGOI_100621MSEP9737.E2	21-JUN-2010	21:34:15.170
EGOI_100621MSEP9766.E2	21-JUN-2010	23:10:38.257
EGOI_100621SGEP6469.E2	21-JUN-2010	02:08:59.066
EGOI_100621SGEP6476.E2	21-JUN-2010	03:45:19.148
EGOI_100621SGEP6483.E2	21-JUN-2010	14:43:36.666
EGOI_100621SGEP6489.E2	21-JUN-2010	16:21:25.265

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79304	21-JUN-2010	06:48:37.305	06:49:38.279	60.974000
KS	79305	21-JUN-2010	08:27:59.478	08:29:35.885	96.407000
KS	79306	21-JUN-2010	10:07:37.142	10:09:15.496	98.354000
KS	79307	21-JUN-2010	11:47:06.734	11:48:49.098	102.36400
KS	79308	21-JUN-2010	13:26:10.317	13:27:46.704	96.387000
KS	79309	21-JUN-2010	15:04:40.378	15:06:29.306	108.92800
KS	79310	21-JUN-2010	16:42:16.753	16:43:58.402	101.64900
KS	79311	21-JUN-2010	18:20:12.468	18:21:55.999	103.53100
KS	79312	21-JUN-2010	19:59:19.787	20:00:37.098	77.311000
KS	79313	21-JUN-2010	21:40:17.747	21:41:31.712	73.965000
GS	79301	21-JUN-2010	01:29:07.978	01:30:34.835	86.857000
MS	79306	21-JUN-2010	10:22:09.935	10:23:53.087	103.15200
MS	79307	21-JUN-2010	12:00:02.601	12:01:44.676	102.07500
MS	79314	21-JUN-2010	23:09:13.940	23:10:38.256	84.316000
MA	79313	21-JUN-2010	21:31:52.263	21:33:28.665	96.402000
BE	79301	21-JUN-2010	01:54:15.453	01:56:01.986	106.53300
SG	79301	21-JUN-2010	02:07:37.321	02:08:59.066	81.745000

SG	79302	21-JUN-2010	03:43:59.166	03:45:19.148	79.982000
SG	79308	21-JUN-2010	14:40:14.108	14:43:36.665	202.55700
SG	79308	21-JUN-2010	14:48:23.196	14:52:39.948	256.75200
SG	79309	21-JUN-2010	16:19:34.254	16:21:25.264	111.01000
SG	79309	21-JUN-2010	16:26:43.296	16:31:32.446	289.15000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79300	21-JUN-2010	00:34:57.872	00:49:22.126	864.25400
MM	79300	21-JUN-2010	00:46:46.429	00:57:31.112	644.68300
KS	79300	20-JUN-2010	23:57:17.100	00:03:03.086	345.98600
MM	79301	21-JUN-2010	02:29:17.535	02:37:52.829	515.29400
BE	79302	21-JUN-2010	03:33:02.942	03:46:05.897	782.95500
MM	79302	21-JUN-2010	04:12:22.875	04:18:44.839	381.96400
MI	79302	21-JUN-2010	03:02:18.191	03:15:18.954	780.76300
CM	79302	21-JUN-2010	03:02:46.603	03:12:16.326	569.72300
CM	79302	21-JUN-2010	04:40:45.970	04:52:20.370	694.40000
MM	79303	21-JUN-2010	05:54:49.149	06:00:46.354	357.20500
MI	79303	21-JUN-2010	04:43:19.247	04:53:13.717	594.47000
MM	79304	21-JUN-2010	07:35:57.358	07:43:49.140	471.78200
JO	79304	21-JUN-2010	07:14:27.025	07:27:36.795	789.77000
MM	79305	21-JUN-2010	09:16:25.384	09:26:35.263	609.87900
JO	79305	21-JUN-2010	08:52:56.150	09:07:17.219	861.06900
MM	79306	21-JUN-2010	10:56:35.503	11:08:23.338	707.83500
MM	79307	21-JUN-2010	12:36:32.166	12:49:07.196	755.03000
HO	79308	21-JUN-2010	14:25:15.847	14:37:34.585	738.73800
MM	79308	21-JUN-2010	14:16:14.344	14:28:57.862	763.51800
SG	79308	21-JUN-2010	14:40:14.108	14:52:39.948	745.84000
BE	79309	21-JUN-2010	14:50:02.059	15:02:44.923	762.86400
MM	79309	21-JUN-2010	15:55:40.303	16:08:15.654	755.35100
MI	79309	21-JUN-2010	15:22:32.310	15:35:10.717	758.40700
GS	79309	21-JUN-2010	15:16:26.450	15:29:50.877	804.42700
CM	79309	21-JUN-2010	15:26:21.970	15:35:56.684	574.71400
MM	79310	21-JUN-2010	17:34:52.042	17:47:23.837	751.79500
MI	79310	21-JUN-2010	17:02:20.786	17:13:29.615	668.82900

GS	79310	21-JUN-2010	16:55:57.760	17:08:52.619	774.85900
CM	79310	21-JUN-2010	17:04:40.589	17:16:08.684	688.09500
MM	79311	21-JUN-2010	19:14:01.083	19:26:40.144	759.06100
JO	79311	21-JUN-2010	19:34:30.296	19:46:40.984	730.68800
MM	79312	21-JUN-2010	20:53:28.612	21:06:12.217	763.60500
MA	79312	21-JUN-2010	19:52:34.105	20:05:33.335	779.23000
JO	79312	21-JUN-2010	21:12:43.222	21:27:24.102	880.88000
HO	79313	21-JUN-2010	22:26:09.190	22:38:14.780	725.59000
MM	79313	21-JUN-2010	22:33:37.766	22:46:00.197	742.43100

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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

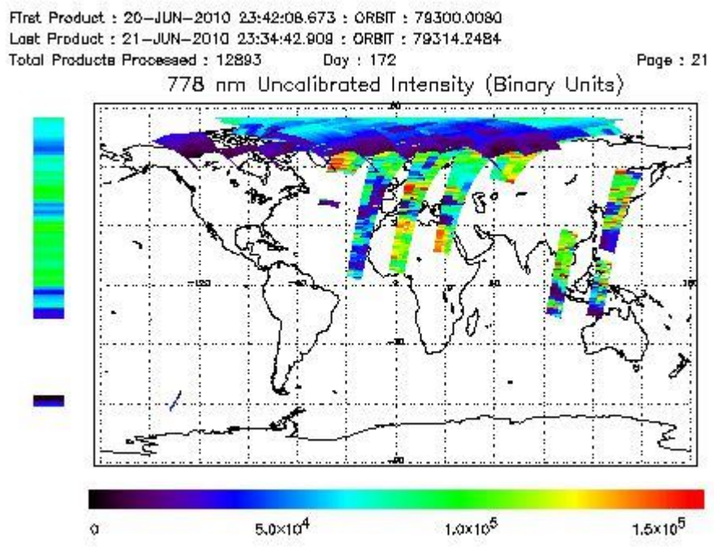
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

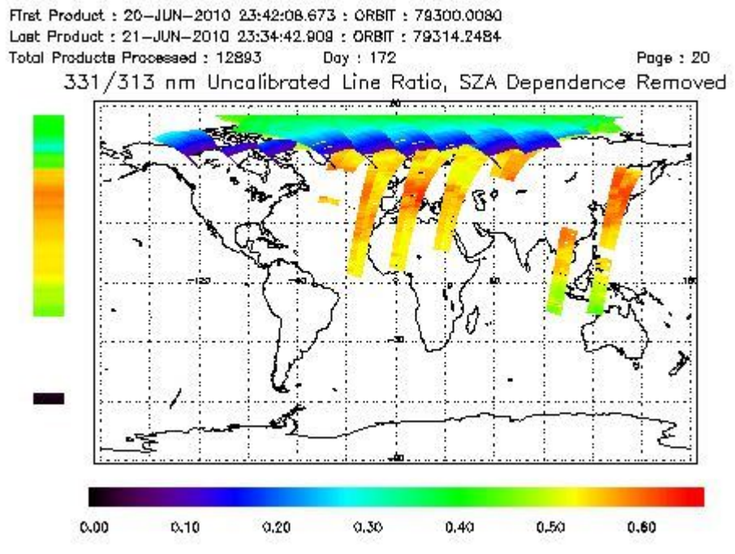
2.2 - Daily Plots

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

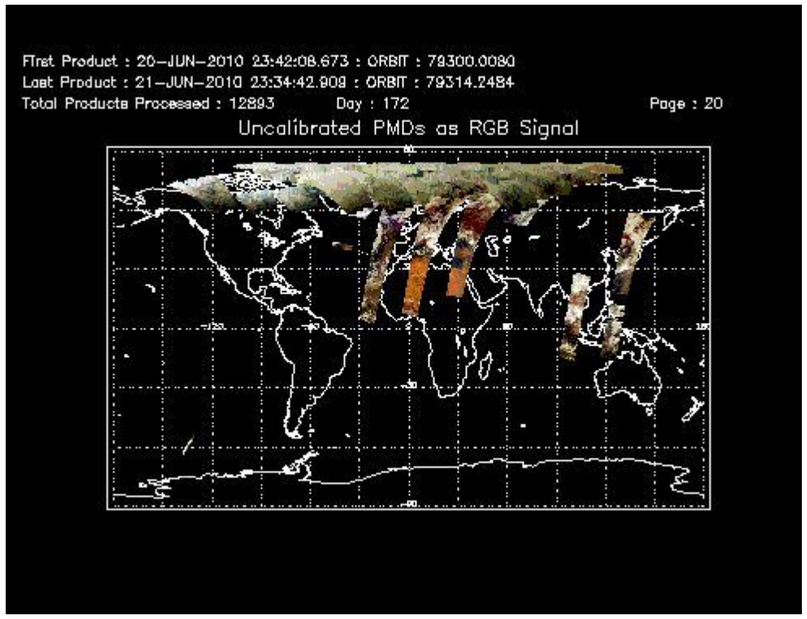
NEAR IR Intensity



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	18:24:41	--	79311	Yes	--	14316

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)

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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
--	--	--	--	--

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