GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	28-APR-2010
Start Time of First Product	23:54:46 (27-Mar)
Stop Time of Last Product	23:31:46
Number of EGOI Products analysed	44
Number of corrupted products	--
Anomalies and/or Special Operations	Quartely calibration, Nadir Static View orbits: 78537, 78538; calibration lamp instabilities occurred

1.2 - List of received products

Name	Date	Time
EGOI_100428BEEP2571.E2	28-APR-2010	03:31:54.703
EGOI_100428CMEP7665.E2	28-APR-2010	03:02:20.024
EGOI_100428CMEP7673.E2	28-APR-2010	04:41:13.129
EGOI_100428CMEP7680.E2	28-APR-2010	15:24:45.551
EGOI_100428CMEP7687.E2	28-APR-2010	17:02:59.660
EGOI_100428GSEP5135.E2	28-APR-2010	01:27:44.946
EGOI_100428GSEP5166.E2	28-APR-2010	03:04:59.043
EGOI_100428GSEP5193.E2	28-APR-2010	04:47:44.668
EGOI_100428GSEP5199.E2	28-APR-2010	06:29:39.289

EGOI_100428KSEP3756.E2	27-APR-2010	23:54:45.879
EGOI_100428KSEP3770.E2	28-APR-2010	06:46:42.391
EGOI_100428KSEP3788.E2	28-APR-2010	08:26:38.506
EGOI_100428KSEP3805.E2	28-APR-2010	10:06:18.117
EGOI_100428KSEP3826.E2	28-APR-2010	11:45:51.723
EGOI_100428KSEP3844.E2	28-APR-2010	13:24:50.830
EGOI_100428KSEP3853.E2	28-APR-2010	15:03:34.933
EGOI_100428KSEP3880.E2	28-APR-2010	16:41:05.531
EGOI_100428KSEP3910.E2	28-APR-2010	18:19:07.631
EGOI_100428KSEP3942.E2	28-APR-2010	19:57:41.229
EGOI_100428KSEP3965.E2	28-APR-2010	21:38:29.848
EGOI_100428KSEP3990.E2	28-APR-2010	23:21:34.978
EGOI_100428MAEP1639.E2	28-APR-2010	08:34:38.553
EGOI_100428MAEP1654.E2	28-APR-2010	10:13:45.160
EGOI_100428MAEP1672.E2	28-APR-2010	21:30:32.797
EGOI_100428MIEP0873.E2	28-APR-2010	03:00:51.516
EGOI_100428MIEP0898.E2	28-APR-2010	04:41:40.133
EGOI_100428MIEP0924.E2	28-APR-2010	15:21:06.538
EGOI_100428MIEP0952.E2	28-APR-2010	17:00:49.148
EGOI_100428MMEP7397.E2	28-APR-2010	00:44:22.179
EGOI_100428MMEP7408.E2	28-APR-2010	09:13:59.800
EGOI_100428MMEP7413.E2	28-APR-2010	10:54:16.907
EGOI_100428MMEP7424.E2	28-APR-2010	14:14:00.128
EGOI_100428MMEP7432.E2	28-APR-2010	15:53:24.738
EGOI_100428MMEP7438.E2	28-APR-2010	17:33:47.852
EGOI_100428MMEP7444.E2	28-APR-2010	19:12:31.956
EGOI_100428MMEP7454.E2	28-APR-2010	20:51:32.561
EGOI_100428MMEP7460.E2	28-APR-2010	22:31:37.672
EGOI_100428MSEP3524.E2	28-APR-2010	10:21:04.703
EGOI_100428MSEP3553.E2	28-APR-2010	11:58:47.302
EGOI_100428MSEP3564.E2	28-APR-2010	13:41:22.429
EGOI_100428MSEP3583.E2	28-APR-2010	21:31:43.305
EGOI_100428MSEP3615.E2	28-APR-2010	23:07:40.893
EGOI_100428SGEP5221.E2	28-APR-2010	14:40:25.796
EGOI_100428SGEP5226.E2	28-APR-2010	16:18:18.891

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78532	28-APR-2010	08:25:08.749	08:26:38.505	89.756000
KS	78533	28-APR-2010	10:04:46.383	10:06:18.116	91.733000
KS	78534	28-APR-2010	11:44:16.442	11:45:51.722	95.280000
KS	78535	28-APR-2010	13:23:21.043	13:24:50.829	89.786000

KS	78536	28-APR-2010	15:01:53.275	15:03:34.932	101.65700
KS	78537	28-APR-2010	16:39:29.827	16:41:05.530	95.703000
KS	78538	28-APR-2010	18:17:23.792	18:19:07.631	103.83900
KS	78539	28-APR-2010	19:56:28.503	19:57:41.228	72.725000
KS	78540	28-APR-2010	21:37:22.779	21:38:29.848	67.069000
GS	78528	28-APR-2010	01:26:24.286	01:27:44.946	80.660000
MS	78533	28-APR-2010	10:19:26.528	10:21:04.702	98.174000
MS	78534	28-APR-2010	11:57:09.628	11:58:47.301	97.673000
MS	78541	28-APR-2010	23:06:23.805	23:07:40.893	77.088000
MA	78540	28-APR-2010	21:28:58.311	21:30:32.797	94.486000
MI	78529	28-APR-2010	02:59:31.186	03:00:51.515	80.329000
MI	78530	28-APR-2010	04:40:18.294	04:41:40.132	81.838000
MI	78536	28-APR-2010	15:19:45.351	15:21:06.537	81.186000
MI	78537	28-APR-2010	16:59:25.609	17:00:49.148	83.539000
MM	78537	28-APR-2010	17:32:02.112	17:33:47.851	105.73900
MM	78538	28-APR-2010	19:11:10.970	19:12:31.955	80.985000
BE	78529	28-APR-2010	03:30:11.455	03:31:54.702	103.24700
SG	78535	28-APR-2010	14:37:30.285	14:40:25.796	175.51100
SG	78536	28-APR-2010	16:16:37.877	16:18:18.890	101.01300
CM	78529	28-APR-2010	03:00:07.114	03:02:20.024	132.91000
CM	78536	28-APR-2010	15:23:40.967	15:24:45.551	64.584000
CM	78537	28-APR-2010	17:01:46.929	17:02:59.660	72.731000

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78527	28-APR-2010	00:32:01.441	00:46:32.322	870.88100
BE	78528	28-APR-2010	01:51:29.316	02:02:42.856	673.54000
MM	78528	28-APR-2010	02:26:21.075	02:35:00.481	519.40600
SG	78528	28-APR-2010	02:05:04.774	02:12:46.616	461.84200
MM	78529	28-APR-2010	04:09:26.266	04:15:51.181	384.91500
SG	78529	28-APR-2010	03:41:07.600	03:54:53.508	825.90800
MM	78530	28-APR-2010	05:51:54.732	05:57:50.269	355.53700
MM	78531	28-APR-2010	07:33:04.716	07:40:52.397	467.68100
JO	78531	28-APR-2010	07:11:43.854	07:24:42.470	778.61600
JO	78532	28-APR-2010	08:50:02.297	09:04:29.542	867.24500

HO	78533	28-APR-2010	11:05:10.971	11:13:57.526	526.55500
HO	78534	28-APR-2010	12:42:26.071	12:57:09.793	883.72200
MM	78534	28-APR-2010	12:33:41.024	12:46:15.332	754.30800
MA	78534	28-APR-2010	11:55:05.036	11:59:33.745	268.70900
HO	78535	28-APR-2010	14:22:22.823	14:34:55.516	752.69300
SG	78535	28-APR-2010	14:37:30.285	14:49:44.275	733.99000
BE	78536	28-APR-2010	14:47:07.890	14:59:56.525	768.63500
GS	78536	28-APR-2010	15:13:37.426	15:26:57.036	799.61000
GS	78537	28-APR-2010	16:53:05.870	17:06:06.503	780.63300
JO	78538	28-APR-2010	19:31:47.023	19:43:41.443	714.42000
MA	78539	28-APR-2010	19:49:48.548	20:02:37.441	768.89300
JO	78539	28-APR-2010	21:09:51.557	21:24:36.546	884.98900
HO	78540	28-APR-2010	22:23:26.253	22:35:22.557	716.30400

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1.5 - List of corrupted products

Station	Orbit	Time

2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

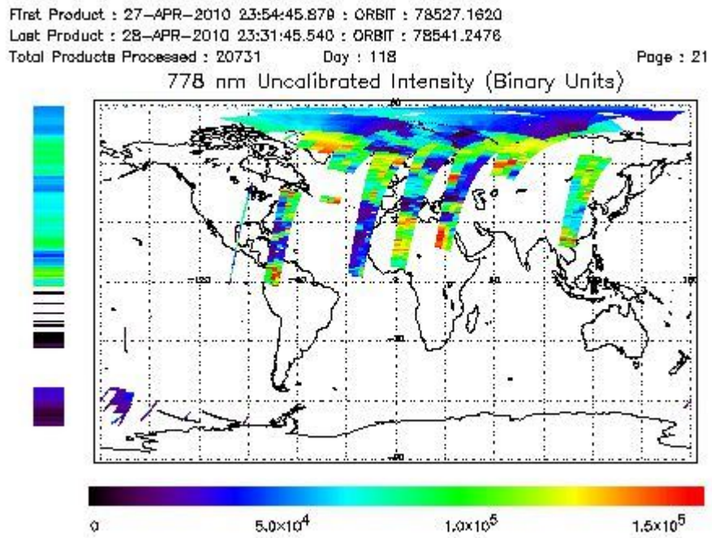
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration Times Band 3	OK
Integration Times Band 4	OK
Scan Mirror position	Polar View operated
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

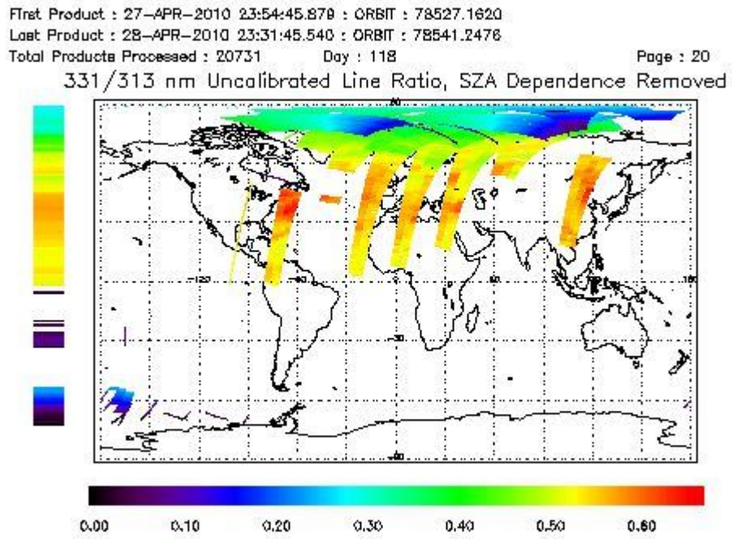
2.2 - Daily Plots

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

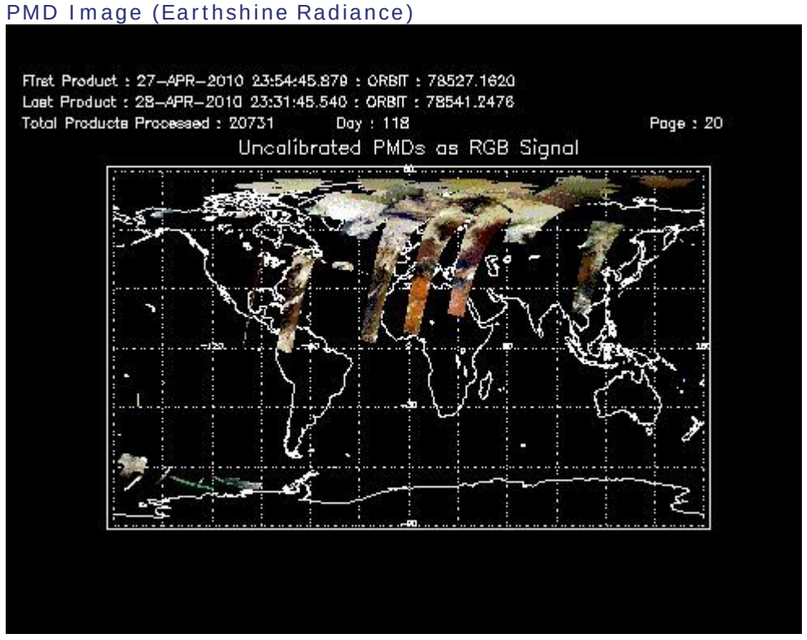
NEAR IR Intensity



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	20:04:06.768	--	78539	Yes	--	14970

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)
Q	21:47:01	21:52:15	78539	No End	--	ca 177 - 180	--
Q	22:31:38	22:39:54	78540	No Start	--	ca 175 - 198	--

Q	23:07:41	23:15:18	78541	No Start	--	ca 197 - 180	--
Q	23:21:35	23;27:34	78541	No Start	--	ca 197.5	--

(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
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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
07:00 10-Mar	--	77830	--

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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