

GOME Daily Report

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1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	04-AUG-2010
Start Time of First Product	23:59:53 (03-Aug)
Stop Time of Last Product	23:52:00
Number of EGOI Products analysed	35
Number of corrupted products	1
Anomalies and/or Special Operations	Narrow Swath performed as planned, start orbit: 79942

1.2 - List of received products

Name	Date	Time
EGOI_100804HLEP6572.E2	04-AUG-2010	00:54:14.209
EGOI_100804HLEP6581.E2	04-AUG-2010	11:31:40.591
EGOI_100804HLEP6591.E2	04-AUG-2010	22:44:19.324
EGOI_100804KSEP5205.E2	04-AUG-2010	07:06:58.480
EGOI_100804KSEP5223.E2	04-AUG-2010	08:46:57.589
EGOI_100804KSEP5248.E2	04-AUG-2010	10:26:37.195
EGOI_100804KSEP5274.E2	04-AUG-2010	12:06:03.306
EGOI_100804KSEP5287.E2	04-AUG-2010	13:45:02.409
EGOI_100804KSEP5312.E2	04-AUG-2010	15:23:34.503

EGOI_100804KSEP5341.E2	04-AUG-2010	17:01:00.598
EGOI_100804KSEP5372.E2	04-AUG-2010	18:38:58.330
EGOI_100804KSEP5393.E2	04-AUG-2010	20:17:54.433
EGOI_100804KSEP5420.E2	04-AUG-2010	21:59:16.051
EGOI_100804KSEP5434.E2	04-AUG-2010	23:43:12.185
EGOI_100804MAEP5258.E2	04-AUG-2010	08:54:32.132
EGOI_100804MAEP5270.E2	04-AUG-2010	10:34:07.238
EGOI_100804MAEP5288.E2	04-AUG-2010	20:11:15.386
EGOI_100804MIEP8008.E2	04-AUG-2010	01:46:37.031
EGOI_100804MIEP8031.E2	04-AUG-2010	03:20:57.105
EGOI_100804MIEP8051.E2	04-AUG-2010	05:03:18.726
EGOI_100804MIEP8068.E2	04-AUG-2010	15:41:06.109
EGOI_100804MMEP2446.E2	04-AUG-2010	01:05:06.776
EGOI_100804MMEP2455.E2	04-AUG-2010	02:47:29.902
EGOI_100804MMEP2466.E2	04-AUG-2010	07:53:45.269
EGOI_100804MMEP2471.E2	04-AUG-2010	09:34:27.883
EGOI_100804MMEP2481.E2	04-AUG-2010	11:14:41.992
EGOI_100804MMEP2488.E2	04-AUG-2010	12:54:35.100
EGOI_100804MSEP4727.E2	03-AUG-2010	23:59:52.881
EGOI_100804MSEP4746.E2	04-AUG-2010	10:40:41.779
EGOI_100804MSEP4774.E2	04-AUG-2010	12:19:19.882
EGOI_100804MSEP4801.E2	04-AUG-2010	21:50:42.999
EGOI_100804MSEP4833.E2	04-AUG-2010	23:28:07.592
EGOI_100804SGEP7143.E2	04-AUG-2010	02:32:31.308
EGOI_100804SGEP7147.E2	04-AUG-2010	14:59:31.359
EGOI_100804SGEP7154.E2	04-AUG-2010	16:39:39.472

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1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	79934	04-AUG-2010	07:05:36.099	07:06:58.479	82.380000
KS	79935	04-AUG-2010	08:45:04.031	08:46:57.589	113.55800
KS	79936	04-AUG-2010	10:24:41.539	10:26:37.194	115.65500
KS	79937	04-AUG-2010	12:04:08.029	12:06:03.306	115.27700
KS	79938	04-AUG-2010	13:43:05.163	13:45:02.408	117.24500
KS	79939	04-AUG-2010	15:21:17.211	15:23:34.502	137.29100
KS	79940	04-AUG-2010	16:58:59.510	17:01:00.597	121.08700
KS	79941	04-AUG-2010	18:37:05.779	18:38:58.329	112.55000
KS	79942	04-AUG-2010	20:16:29.417	20:17:54.433	85.016000
KS	79943	04-AUG-2010	21:57:50.194	21:59:16.051	85.857000
KS	79944	04-AUG-2010	23:42:00.775	23:43:12.184	71.409000
MS	79930	03-AUG-2010	23:58:14.332	23:59:52.881	98.549000

MS	79936	04-AUG-2010	10:38:37.294	10:40:41.778	124.48400
MS	79937	04-AUG-2010	12:17:16.659	12:19:19.881	123.22200
MS	79943	04-AUG-2010	21:49:11.633	21:50:42.998	91.365000
MS	79944	04-AUG-2010	23:26:20.992	23:28:07.591	106.59900
MA	79936	04-AUG-2010	10:32:42.187	10:34:07.237	85.050000
MA	79942	04-AUG-2010	20:09:12.497	20:11:15.386	122.88900
MI	79931	04-AUG-2010	01:45:14.920	01:46:37.031	82.111000
MI	79932	04-AUG-2010	03:19:06.986	03:20:57.104	110.11800
MI	79933	04-AUG-2010	05:01:47.050	05:03:18.725	91.675000
MI	79939	04-AUG-2010	15:39:19.717	15:41:06.109	106.39200
SG	79931	04-AUG-2010	02:23:20.996	02:32:31.307	550.31100
SG	79938	04-AUG-2010	14:56:46.182	14:59:31.359	165.17700
SG	79939	04-AUG-2010	16:37:24.529	16:39:39.471	134.94200

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1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	79930	04-AUG-2010	00:52:26.335	01:06:12.444	826.10900
KS	79930	04-AUG-2010	00:15:56.864	00:19:32.904	216.04000
BE	79931	04-AUG-2010	02:10:57.738	02:23:19.357	741.61900
GS	79931	04-AUG-2010	01:45:35.225	01:58:08.253	753.02800
BE	79932	04-AUG-2010	03:50:14.235	04:02:46.706	752.47100
MM	79932	04-AUG-2010	04:30:01.744	04:36:08.076	366.33200
GS	79932	04-AUG-2010	03:24:10.993	03:37:49.038	818.04500
SG	79932	04-AUG-2010	04:01:15.269	04:14:24.141	788.87200
CM	79932	04-AUG-2010	03:18:57.507	03:29:54.056	656.54900
CM	79932	04-AUG-2010	04:58:23.557	05:08:49.797	626.24000
MM	79933	04-AUG-2010	06:12:14.187	06:18:23.997	369.81000
JO	79934	04-AUG-2010	07:30:53.768	07:44:57.939	844.17100
JO	79935	04-AUG-2010	09:10:26.654	09:23:57.945	811.29100
HO	79936	04-AUG-2010	11:24:03.949	11:35:02.761	658.81200
HO	79937	04-AUG-2010	13:02:13.508	13:17:02.597	889.08900
HO	79938	04-AUG-2010	14:42:36.689	14:53:07.055	630.36600
MM	79938	04-AUG-2010	14:33:18.262	14:46:00.880	762.61800
GS	79938	04-AUG-2010	13:56:17.564	14:03:15.776	418.21200
SG	79938	04-AUG-2010	14:56:46.182	15:10:05.588	799.40600

BE	79939	04-AUG-2010	15:07:33.918	15:19:31.356	717.43800
MM	79939	04-AUG-2010	16:12:41.434	16:25:15.412	753.97800
GS	79939	04-AUG-2010	15:33:22.885	15:47:08.694	825.80900
CM	79939	04-AUG-2010	15:42:41.747	15:53:45.110	663.36300
MM	79940	04-AUG-2010	17:51:51.583	18:04:24.007	752.42400
MI	79940	04-AUG-2010	17:20:00.269	17:29:32.534	572.26500
GS	79940	04-AUG-2010	17:13:10.801	17:25:24.602	733.80100
CM	79940	04-AUG-2010	17:22:10.176	17:32:29.890	619.71400
MM	79941	04-AUG-2010	19:31:02.105	19:43:42.736	760.63100
JO	79941	04-AUG-2010	19:50:58.881	20:04:27.262	808.38100
MM	79942	04-AUG-2010	21:10:35.217	21:23:17.655	762.43800
JO	79942	04-AUG-2010	21:29:56.936	21:44:03.156	846.22000
HO	79943	04-AUG-2010	22:42:32.185	22:55:26.470	774.28500
MM	79943	04-AUG-2010	22:50:53.473	23:03:08.145	734.67200
MA	79943	04-AUG-2010	21:49:57.483	22:01:35.404	697.92100

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1.5 - List of corrupted products

Station	Orbit	Time
MI	79932	03:21:09.10

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

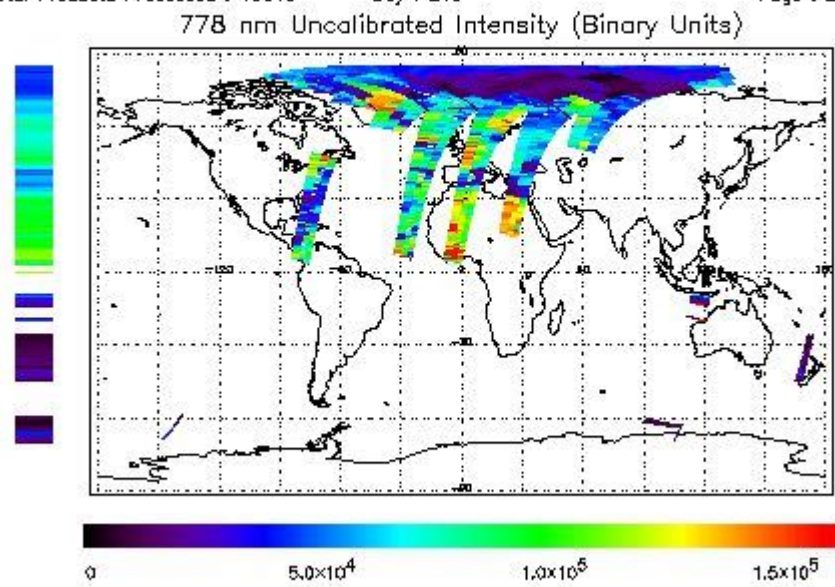
Other Temperatures A	OK
DDHU Temperatures	OK
Optical Bench Temperatures	OK
Other Temperatures B	OK
Calibration Lamp and Instr. Status 3	OK
Scan Mirror and Motor Current	OK
Selected Temperature A	OK
Selected Temperature B	OK
Selected Temperature C	OK
Channel 1 Summation	OK
Channel 2 Summation	OK
Channel 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 explanation see the [GOME Performance Legend](#)

NEAR IR Intensity

Final Product : 03-AUG-2010 23:59:52.881 : ORBIT : 79930.0128
 Last Product : 04-AUG-2010 23:52:00.235 : ORBIT : 79944.2488
 Total Products Processed : 15919 Day : 216 Page : 21

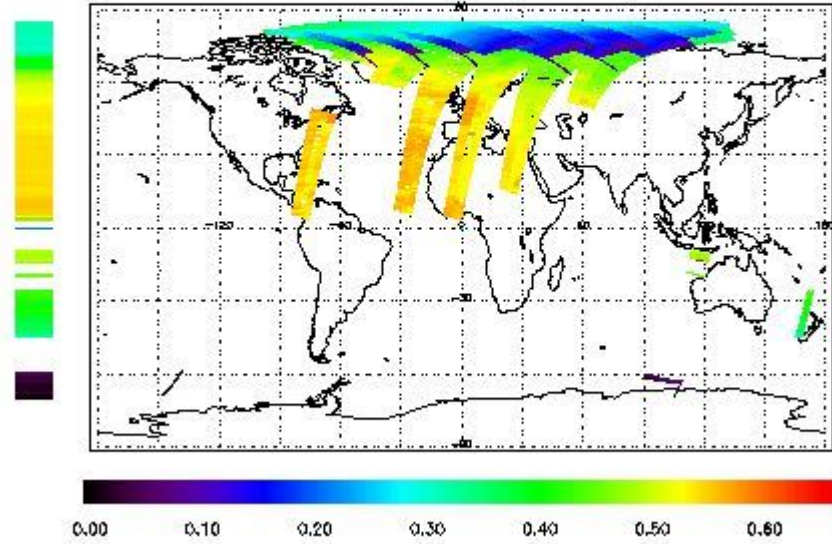


Ozone Line Ratio

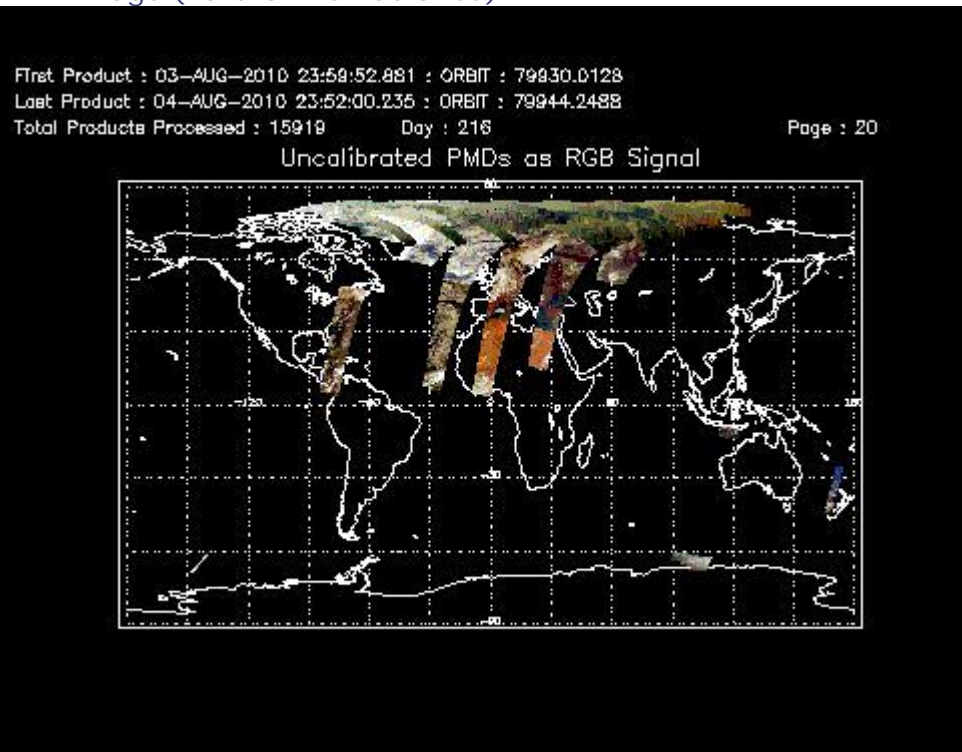
First Product : 03-AUG-2010 23:59:52.881 : ORBIT : 79930.0128
 Last Product : 04-AUG-2010 23:52:00.236 : ORBIT : 79944.2488
 Total Products Processed : 15919 Day : 216

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331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



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	18:43:02.856	--	79941	Yes	--	14475

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)
--	--	--	--	--	--	--	--

4 - Instrument Anomalies

4.1 - Single Event Upset (SEU)

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

4.2 - Instrument Off

Start Time	End Time	Start Orbit	End Orbit	MPS Resumption	Ground Station Visibility
--	--	--	--	--	--

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
--	--	--	--	--	--	--	--	--

5 - Instrument Operations

Additional Info

5.1 - Timeline Interruptions

Start Time	End Time	Start Orbit	End Orbit	Ground Station Visibility
--	--	--	--	--

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
20:00	--	79942	--

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