

GOME Daily Report

INDEX

1. [General Info](#)
 - 1.1 [Report Summary](#)
 - 1.2 [List of received products](#)
 - 1.3 [List of data gaps](#)
 - 1.4 [List of missing products](#)
 - 1.5 [List of corrupted products](#)
2. [Instrument Indicators and Daily Plots](#)
 - 2.1 [Instrument Indicators Status](#)
 - 2.2 [Daily Plots](#)
3. [Instrument Calibration](#)
 - 3.1 [Solar Calibration \(daily/TST44\)](#)
 - 3.2 [Lamp Calibration \(quarterly/TST44\)](#)
4. [Instrument Anomalies](#)
 - 4.1 [Single Event Upset \(SEU\)](#)
 - 4.2 [Instrument Off](#)
 - 4.3 [Cooler Switchings](#)
5. [Instrument Operations](#)
 - 5.1 [Timeline Interruptions](#)
 - 5.2 [TST44](#)
 - 5.3 [Power Cycle](#)
 - 5.4 [Wrong Command Execution](#)
 - 5.5 [Narrow Swath Timeline](#)
 - 5.6 [Seasonal Operations](#)

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	30-MAY-2010
Start Time of First Product	23:48:42 (29-May)
Stop Time of Last Product	23:15:57
Number of EGOI Products analysed	27
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal Data

1.2 - List of received products

Name	Date	Time
EGOI_100530BEEP2900.E2	30-MAY-2010	03:26:07.360
EGOI_100530GSEP7402.E2	30-MAY-2010	02:59:20.696
EGOI_100530GSEP7427.E2	30-MAY-2010	04:41:48.321
EGOI_100530GSEP7433.E2	30-MAY-2010	06:23:39.939
EGOI_100530KSEP9776.E2	29-MAY-2010	23:48:42.031
EGOI_100530KSEP9790.E2	30-MAY-2010	06:41:04.044
EGOI_100530KSEP9809.E2	30-MAY-2010	08:20:58.657
EGOI_100530KSEP9831.E2	30-MAY-2010	10:00:38.264
EGOI_100530KSEP9853.E2	30-MAY-2010	11:40:13.378

EGOI_100530KSEP9871.E2	30-MAY-2010	13:19:15.481
EGOI_100530KSEP9880.E2	30-MAY-2010	14:57:58.084
EGOI_100530KSEP9907.E2	30-MAY-2010	16:35:34.675
EGOI_100530KSEP9937.E2	30-MAY-2010	18:13:33.777
EGOI_100530KSEP9968.E2	30-MAY-2010	19:51:59.880
EGOI_100530KSEP9989.E2	30-MAY-2010	21:32:45.494
EGOI_100530MAEP2747.E2	30-MAY-2010	08:29:21.208
EGOI_100530MAEP2760.E2	30-MAY-2010	10:08:06.811
EGOI_100530MAEP2767.E2	30-MAY-2010	21:28:52.967
EGOI_100530MIEP4151.E2	30-MAY-2010	02:55:28.173
EGOI_100530MIEP4178.E2	30-MAY-2010	04:35:42.282
EGOI_100530MMEP9229.E2	30-MAY-2010	00:38:34.837
EGOI_100530MMEP9236.E2	30-MAY-2010	02:20:47.458
EGOI_100530MMEP9242.E2	30-MAY-2010	04:03:30.091
EGOI_100530MSEP7147.E2	30-MAY-2010	10:15:38.355
EGOI_100530MSEP7173.E2	30-MAY-2010	11:53:08.956
EGOI_100530MSEP7191.E2	30-MAY-2010	21:26:30.451
EGOI_100530MSEP7223.E2	30-MAY-2010	23:01:35.531

[\[BACK TO MENU \]](#)

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	78990	30-MAY-2010	08:19:27.322	08:20:58.656	91.334000
KS	78991	30-MAY-2010	09:59:04.848	10:00:38.263	93.415000
KS	78992	30-MAY-2010	11:38:35.797	11:40:13.378	97.581000
KS	78993	30-MAY-2010	13:17:42.387	13:19:15.481	93.094000
KS	78994	30-MAY-2010	14:56:18.663	14:57:58.083	99.420000
KS	78995	30-MAY-2010	16:33:56.001	16:35:34.674	98.673000
KS	78996	30-MAY-2010	18:11:46.610	18:13:33.777	107.16700
KS	78997	30-MAY-2010	19:50:46.202	19:51:59.879	73.677000
KS	78998	30-MAY-2010	21:31:33.208	21:32:45.494	72.286000
MS	78991	30-MAY-2010	10:14:00.795	10:15:38.354	97.559000
MS	78992	30-MAY-2010	11:51:27.499	11:53:08.956	101.45700
MA	78998	30-MAY-2010	21:23:11.242	21:28:52.966	341.72400
MI	78987	30-MAY-2010	02:53:58.185	02:55:28.172	89.987000
MI	78988	30-MAY-2010	04:34:18.598	04:35:42.282	83.684000
BE	78987	30-MAY-2010	03:24:28.806	03:26:07.359	98.553000

[\[BACK TO MENU \]](#)

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
HO	78985	30-MAY-2010	00:26:14.533	00:40:52.435	877.90200
BE	78986	30-MAY-2010	01:45:58.003	01:56:45.763	647.76000
GS	78986	30-MAY-2010	01:20:57.677	01:32:14.679	677.00200
SG	78987	30-MAY-2010	03:35:25.383	03:49:16.039	830.65600
CM	78987	30-MAY-2010	02:54:50.711	03:03:19.576	508.86500
CM	78987	30-MAY-2010	04:32:03.570	04:44:00.162	716.59200
MM	78988	30-MAY-2010	05:46:05.678	05:51:58.278	352.60000
MM	78989	30-MAY-2010	07:27:19.338	07:34:58.863	459.52500
JO	78989	30-MAY-2010	07:06:18.731	07:18:53.029	754.29800
MM	78990	30-MAY-2010	09:07:49.542	09:17:48.737	599.19500
JO	78990	30-MAY-2010	08:44:15.558	08:58:53.513	877.95500
MM	78991	30-MAY-2010	10:48:00.881	10:59:42.366	701.48500
MM	78992	30-MAY-2010	12:27:58.707	12:40:31.471	752.76400
MA	78992	30-MAY-2010	11:48:56.296	11:54:34.571	338.27500
HO	78993	30-MAY-2010	14:16:36.882	14:29:24.322	767.44000
MM	78993	30-MAY-2010	14:07:42.203	14:20:25.994	763.79100
SG	78993	30-MAY-2010	14:32:04.160	14:43:51.538	707.37800
BE	78994	30-MAY-2010	14:41:20.451	14:54:19.236	778.78500
MM	78994	30-MAY-2010	15:47:09.571	15:59:45.679	756.10800
MI	78994	30-MAY-2010	15:14:12.351	15:26:25.703	733.35200
GS	78994	30-MAY-2010	15:07:59.745	15:21:08.561	788.81600
SG	78994	30-MAY-2010	16:10:46.514	16:23:21.053	754.53900
CM	78994	30-MAY-2010	15:18:21.654	15:26:52.078	510.42400
MM	78995	30-MAY-2010	17:26:22.237	17:38:53.858	751.62100
MI	78995	30-MAY-2010	16:53:36.222	17:05:21.032	704.81000
GS	78995	30-MAY-2010	16:47:22.317	17:00:33.618	791.30100
CM	78995	30-MAY-2010	16:56:00.557	17:07:51.869	711.31200
MM	78996	30-MAY-2010	19:05:30.786	19:18:09.031	758.24500
JO	78996	30-MAY-2010	19:26:22.093	19:37:40.452	678.35900
MM	78997	30-MAY-2010	20:44:55.781	20:57:39.675	763.89400
MA	78997	30-MAY-2010	19:44:18.178	19:56:44.565	746.38700
JO	78997	30-MAY-2010	21:04:08.738	21:19:00.573	891.83500
HO	78998	30-MAY-2010	22:18:01.540	22:29:37.367	695.82700
MM	78998	30-MAY-2010	22:25:00.576	22:37:26.375	745.79900
JO	78998	30-MAY-2010	22:46:48.377	22:53:00.620	372.24300

HO	78999	30-MAY-2010	23:55:08.669	00:09:38.961	870.29200
KS	78999	30-MAY-2010	23:14:51.149	23:23:44.011	532.86200

[[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	OK
Polarization Detectors	OK
FPA Temperatures A	OK
FPA Temperatures 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

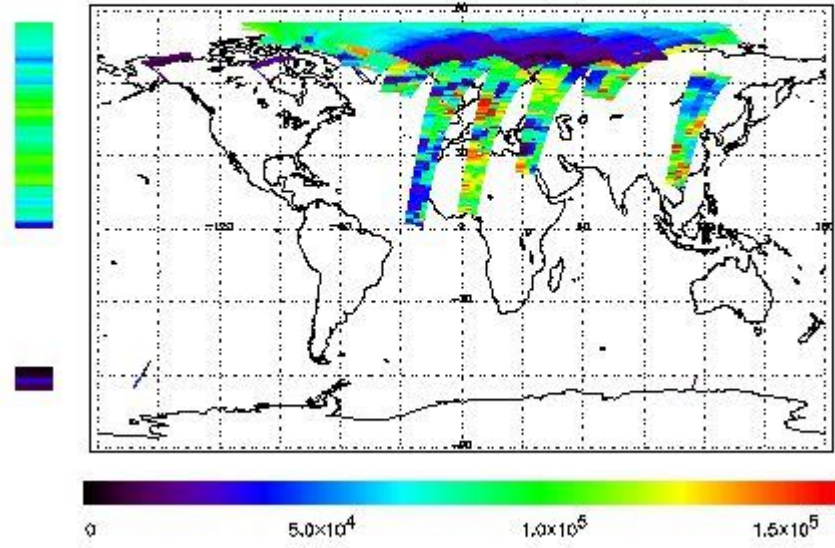
2.2 - Daily Plots

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

First Product : 29-MAY-2010 23:48:42.031 : ORBIT : 78985.1588
 Last Product : 30-MAY-2010 23:15:56.820 : ORBIT : 78999.1475
 Total Products Processed : 12976 Day : 150 Page : 21

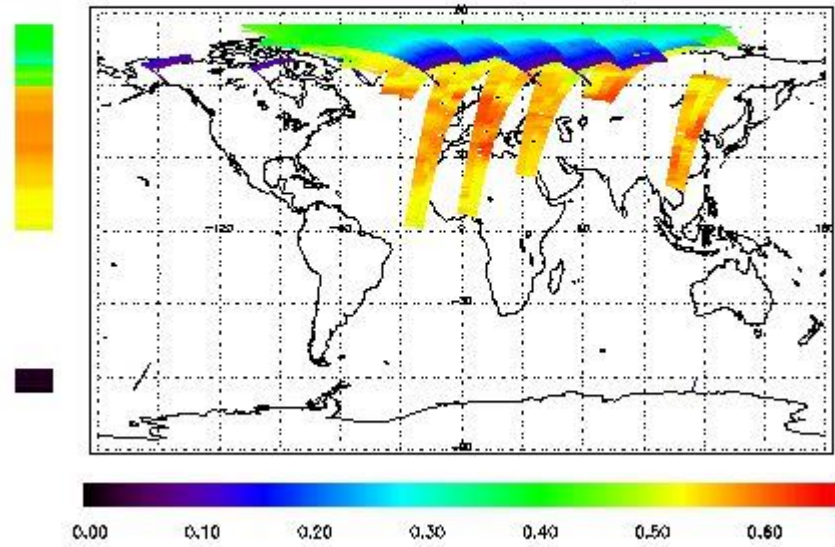
778 nm Uncalibrated Intensity (Binary Units)



Ozone Line Ratio

First Product : 29-MAY-2010 23:48:42.031 : ORBIT : 78985.1588
 Last Product : 30-MAY-2010 23:15:56.820 : ORBIT : 78999.1475
 Total Products Processed : 12976 Day : 150 Page : 20

331/313 nm Uncalibrated Line Ratio, SZA Dependence Removed



PMD Image (Earthshine Radiance)

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
--	--	--	--

5.6 - Seasonal Operations

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