GOME Daily Report

INDEX

1 - General Info

1.1 - Report Summary

Item	Value
Report Version	GOMEver3_3
Report of Day	10-JUL-2009
Start Time of First Product	01:13:23
Stop Time of Last Product	23:10:00
Number of EGOI Products analysed	34
Number of corrupted products	--
Anomalies and/or Special Operations	Nominal data

1.2 - List of received products

Name	Date	Time
EGOI_090710BEEP0175.E2	10-JUL-2009	03:09:56.924
EGOI_090710BEEP0181.E2	10-JUL-2009	04:50:44.029
EGOI_090710GSEP4195.E2	10-JUL-2009	01:06:56.181
EGOI_090710GSEP4227.E2	10-JUL-2009	02:43:37.267
EGOI_090710GSEP4256.E2	10-JUL-2009	04:24:39.377
EGOI_090710GSEP4263.E2	10-JUL-2009	06:06:56.498
EGOI_090710HLEP1989.E2	10-JUL-2009	00:13:22.853
EGOI_090710HLEP1998.E2	10-JUL-2009	01:56:05.474
EGOI_090710HLEP2008.E2	10-JUL-2009	15:46:51.013

EGOI_090710HLEP2015.E2	10-JUL-2009	22:06:38.318
EGOI_090710KSEP4558.E2	10-JUL-2009	06:24:58.099
EGOI_090710KSEP4589.E2	10-JUL-2009	08:04:49.712
EGOI_090710KSEP4612.E2	10-JUL-2009	09:44:27.818
EGOI_090710KSEP4639.E2	10-JUL-2009	11:24:07.419
EGOI_090710KSEP4659.E2	10-JUL-2009	13:03:14.017
EGOI_090710KSEP4679.E2	10-JUL-2009	14:42:01.115
EGOI_090710KSEP4705.E2	10-JUL-2009	16:19:42.212
EGOI_090710KSEP4726.E2	10-JUL-2009	17:57:48.808
EGOI_090710KSEP4760.E2	10-JUL-2009	19:35:43.398
EGOI_090710KSEP4795.E2	10-JUL-2009	21:16:08.012
EGOI_090710KSEP4824.E2	10-JUL-2009	22:58:44.631
EGOI_090710MAEP1528.E2	10-JUL-2009	09:51:54.861
EGOI_090710MIEP3646.E2	10-JUL-2009	02:39:46.244
EGOI_090710MIEP3674.E2	10-JUL-2009	04:18:51.338
EGOI_090710MIEP3700.E2	10-JUL-2009	14:59:58.228
EGOI_090710MIEP3730.E2	10-JUL-2009	16:38:36.322
EGOI_090710MSEP9808.E2	10-JUL-2009	01:00:42.638
EGOI_090710MSEP9824.E2	10-JUL-2009	10:00:21.912
EGOI_090710MSEP9848.E2	10-JUL-2009	11:37:07.498
EGOI_090710MSEP9871.E2	10-JUL-2009	13:18:17.111
EGOI_090710MSEP9904.E2	10-JUL-2009	22:45:55.056
EGOI_090710SGEP8229.E2	10-JUL-2009	03:20:35.990
EGOI_090710SGEP8242.E2	10-JUL-2009	05:02:42.603
EGOI_090710SGEP8251.E2	10-JUL-2009	14:23:28.002
EGOI_090710SGEP8259.E2	10-JUL-2009	16:04:04.611

[BACK TO MENU]

1.3 - List of data gaps

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
KS	74351	10-JUL-2009	06:23:15.385	06:24:58.098	102.71300
KS	74352	10-JUL-2009	08:02:23.343	08:04:49.712	146.36900
KS	74353	10-JUL-2009	09:42:00.121	09:44:27.818	147.69700
KS	74354	10-JUL-2009	11:21:33.405	11:24:07.419	154.01400
KS	74355	10-JUL-2009	13:00:45.563	13:03:14.016	148.45300
KS	74356	10-JUL-2009	14:39:28.863	14:42:01.114	152.25100
KS	74357	10-JUL-2009	16:17:09.058	16:19:42.212	153.15400
KS	74358	10-JUL-2009	17:55:00.885	17:57:48.808	167.92300
KS	74359	10-JUL-2009	19:33:41.381	19:35:43.398	122.01700
KS	74360	10-JUL-2009	21:14:07.334	21:16:08.012	120.67800
KS	74361	10-JUL-2009	22:56:54.809	22:58:44.630	109.82100
GS	74348	10-JUL-2009	01:04:44.470	01:06:56.180	131.71000

GS	74349	10-JUL-2009	02:41:23.554	02:43:37.266	133.71200
GS	74350	10-JUL-2009	04:22:44.875	04:24:39.376	114.50100
MS	74354	10-JUL-2009	11:34:30.472	11:37:07.498	157.02600
MS	74355	10-JUL-2009	13:15:33.700	13:18:17.111	163.41100
MS	74361	10-JUL-2009	22:43:53.332	22:45:55.055	121.72300
MI	74349	10-JUL-2009	02:37:27.824	02:39:46.243	138.41900
MI	74350	10-JUL-2009	04:16:33.628	04:18:51.337	137.70900
MI	74356	10-JUL-2009	14:57:42.110	14:59:58.228	136.11800
MI	74357	10-JUL-2009	16:36:14.692	16:38:36.321	141.62900
BE	74349	10-JUL-2009	03:07:23.467	03:09:56.923	153.45600
BE	74350	10-JUL-2009	04:48:11.049	04:50:44.028	152.97900
SG	74349	10-JUL-2009	03:18:25.974	03:20:35.989	130.01500
SG	74349	10-JUL-2009	03:26:21.025	03:32:16.169	355.14400
SG	74349	10-JUL-2009	03:18:25.974	03:20:35.989	130.01500
SG	74349	10-JUL-2009	03:26:21.025	03:32:16.169	355.14400
SG	74350	10-JUL-2009	05:01:03.728	05:02:42.603	98.875000
MM	74351	10-JUL-2009	07:10:02.382	07:17:18.001	435.61900
JO	74351	10-JUL-2009	06:50:14.623	07:01:17.080	662.45700
MM	74352	10-JUL-2009	08:50:37.464	09:00:14.388	576.92400
MA	74352	10-JUL-2009	08:11:57.013	08:22:16.347	619.33400
JO	74352	10-JUL-2009	08:27:02.649	08:42:00.519	897.87000
MM	74353	10-JUL-2009	10:30:51.347	10:42:18.965	687.61800
MM	74354	10-JUL-2009	12:10:51.471	12:23:18.785	747.31400
MA	74354	10-JUL-2009	11:31:18.526	11:39:02.707	464.18100
MM	74355	10-JUL-2009	13:50:37.566	14:03:21.467	763.90100
BE	74356	10-JUL-2009	14:24:04.912	14:37:23.842	798.93000
MM	74356	10-JUL-2009	15:30:07.763	15:42:45.471	757.70800
GS	74356	10-JUL-2009	14:51:10.063	15:03:36.333	746.27000
CM	74356	10-JUL-2009	15:03:02.021	15:08:00.325	298.30400
MM	74357	10-JUL-2009	17:09:22.502	17:21:54.061	751.55900
GS	74357	10-JUL-2009	16:30:13.413	16:43:49.816	816.40300
CM	74357	10-JUL-2009	16:38:48.403	16:51:07.688	739.28500
MM	74358	10-JUL-2009	18:48:30.536	19:01:07.160	756.62400
GS	74358	10-JUL-2009	18:11:04.959	18:19:22.029	497.07000
JO	74358	10-JUL-2009	19:10:25.446	19:19:16.976	531.53000
MM	74359	10-JUL-2009	20:27:50.993	20:40:34.943	763.95000

MA	74359	10-JUL-2009	19:27:53.329	19:39:19.128	685.79900
JO	74359	10-JUL-2009	20:47:04.314	21:02:05.895	901.58100
MM	74360	10-JUL-2009	22:07:47.476	22:20:19.040	751.56400
MA	74360	10-JUL-2009	21:05:56.358	21:19:16.454	800.09600
JO	74360	10-JUL-2009	22:28:28.285	22:37:51.569	563.28400
HO	74361	10-JUL-2009	23:38:11.693	23:52:34.853	863.16000
MM	74361	23:48:39.231	-	[sec]	
KS	74351	10-JUL-2009	06:23:15.385	06:24:58.098	102.71300
KS	74352	10-JUL-2009	08:02:23.343	08:04:49.712	146.36900
KS	74353	10-JUL-2009	09:42:00.121	09:44:27.818	147.69700
KS	74354	10-JUL-2009	11:21:33.405	11:24:07.419	154.01400
KS	74355	10-JUL-2009	13:00:45.563	13:03:14.016	148.45300
KS	74356	10-JUL-2009	14:39:28.863	14:42:01.114	152.25100
KS	74357	10-JUL-2009	16:17:09.058	16:19:42.212	153.15400
KS	74358	10-JUL-2009	17:55:00.885	17:57:48.808	167.92300
KS	74359	10-JUL-2009	19:33:41.381	19:35:43.398	122.01700
KS	74360	10-JUL-2009	21:14:07.334	21:16:08.012	120.67800
KS	74361	10-JUL-2009	22:56:54.809	22:58:44.630	109.82100
GS	74348	10-JUL-2009	01:04:44.470	01:06:56.180	131.71000
GS	74349	10-JUL-2009	02:41:23.554	02:43:37.266	133.71200
GS	74350	10-JUL-2009	04:22:44.875	04:24:39.376	114.50100
MS	74354	10-JUL-2009	11:34:30.472	11:37:07.498	157.02600
MS	74355	10-JUL-2009	13:15:33.700	13:18:17.111	163.41100
MS	74361	10-JUL-2009	22:43:53.332	22:45:55.055	121.72300
MI	74349	10-JUL-2009	02:37:27.824	02:39:46.243	138.41900
MI	74350	10-JUL-2009	04:16:33.628	04:18:51.337	137.70900
MI	74356	10-JUL-2009	14:57:42.110	14:59:58.228	136.11800
MI	74357	10-JUL-2009	16:36:14.692	16:38:36.321	141.62900
BE	74349	10-JUL-2009	03:07:23.467	03:09:56.923	153.45600
BE	74350	10-JUL-2009	04:48:11.049	04:50:44.028	152.97900
SG	74349	10-JUL-2009	03:18:25.974	03:20:35.989	130.01500
SG	74349	10-JUL-2009	03:26:21.025	03:32:16.169	355.14400
SG	74349	10-JUL-2009	03:18:25.974	03:20:35.989	130.01500
SG	74349	10-JUL-2009	03:26:21.025	03:32:16.169	355.14400
SG	74350	10-JUL-2009	05:01:03.728	05:02:42.603	98.875000

[BACK TO MENU]

1.4 - List of missing products

Station	Orbit	Date	Start Time	Stop Time	Duration (s)
MM	74347	10-JUL-2009	00:20:34.516	00:31:45.410	670.89400
MM	74348	10-JUL-2009	02:02:50.677	02:12:02.449	551.77200
MM	74349	10-JUL-2009	03:45:52.485	03:52:43.877	411.39200
CM	74349	10-JUL-2009	02:39:34.342	02:44:54.384	320.04200
CM	74349	10-JUL-2009	04:14:49.443	04:27:11.012	741.56900
MM	74350	10-JUL-2009	05:28:36.724	05:34:23.867	347.14300
MM	74351	10-JUL-2009	07:10:02.382	07:17:18.001	435.61900
JO	74351	10-JUL-2009	06:50:14.623	07:01:17.080	662.45700
MM	74352	10-JUL-2009	08:50:37.464	09:00:14.388	576.92400
MA	74352	10-JUL-2009	08:11:57.013	08:22:16.347	619.33400
JO	74352	10-JUL-2009	08:27:02.649	08:42:00.519	897.87000
MM	74353	10-JUL-2009	10:30:51.347	10:42:18.965	687.61800
MM	74354	10-JUL-2009	12:10:51.471	12:23:18.785	747.31400
MA	74354	10-JUL-2009	11:31:18.526	11:39:02.707	464.18100
MM	74355	10-JUL-2009	13:50:37.566	14:03:21.467	763.90100
BE	74356	10-JUL-2009	14:24:04.912	14:37:23.842	798.93000
MM	74356	10-JUL-2009	15:30:07.763	15:42:45.471	757.70800
GS	74356	10-JUL-2009	14:51:10.063	15:03:36.333	746.27000
CM	74356	10-JUL-2009	15:03:02.021	15:08:00.325	298.30400
MM	74357	10-JUL-2009	17:09:22.502	17:21:54.061	751.55900
GS	74357	10-JUL-2009	16:30:13.413	16:43:49.816	816.40300
CM	74357	10-JUL-2009	16:38:48.403	16:51:07.688	739.28500
MM	74358	10-JUL-2009	18:48:30.536	19:01:07.160	756.62400
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JO	74358	10-JUL-2009	19:10:25.446	19:19:16.976	531.53000
MM	74359	10-JUL-2009	20:27:50.993	20:40:34.943	763.95000
MA	74359	10-JUL-2009	19:27:53.329	19:39:19.128	685.79900
JO	74359	10-JUL-2009	20:47:04.314	21:02:05.895	901.58100
MM	74360	10-JUL-2009	22:07:47.476	22:20:19.040	751.56400
MA	74360	10-JUL-2009	21:05:56.358	21:19:16.454	800.09600
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HO	74361	10-JUL-2009	23:38:11.693	23:52:34.853	863.16000
MM	74361	23:48:39.231	-	[sec]	

[BACK TO MENU]

1.5 - List of corrupted products

Station	Orbit	Time

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2 - Instrument Indicators and Daily Plots

2.1 - Instrument Indicators Status

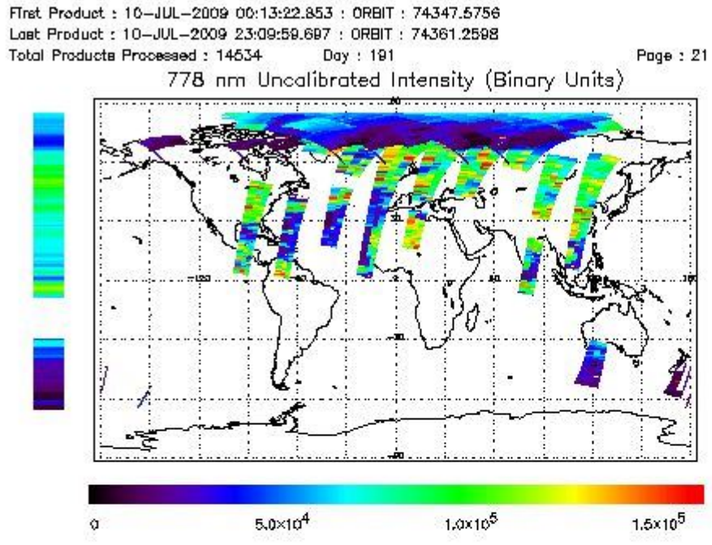
Indicator	Value
MPH Product Confidence	OK
SPH Product Confidence	OK
Command Word Echo Summary	OK
Instrument Status 1A	OK
Instrument Status 1B	OK
Instrument Status 2	OK
Integration Times Channel 1	OK
Co-Adding and Cluster Mode Flags	OK
Integration Times Band 2A	OK
Integration Times Band 2B	OK
Integration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

(1)

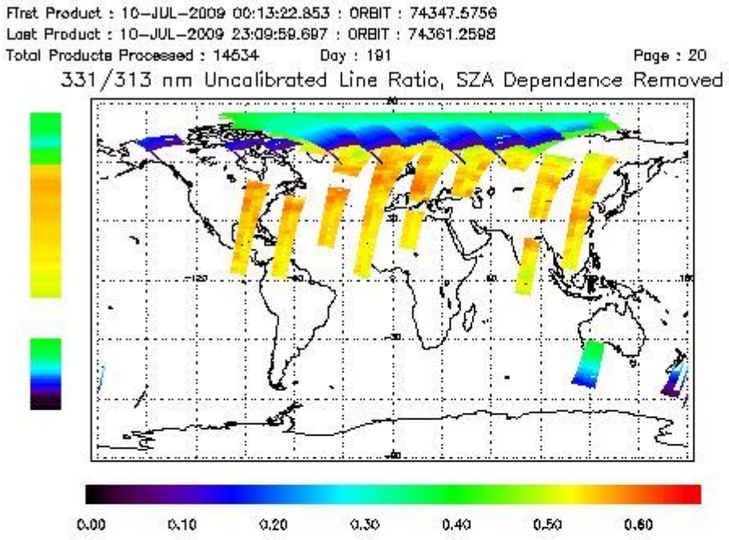
2.2 - Daily Plots

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

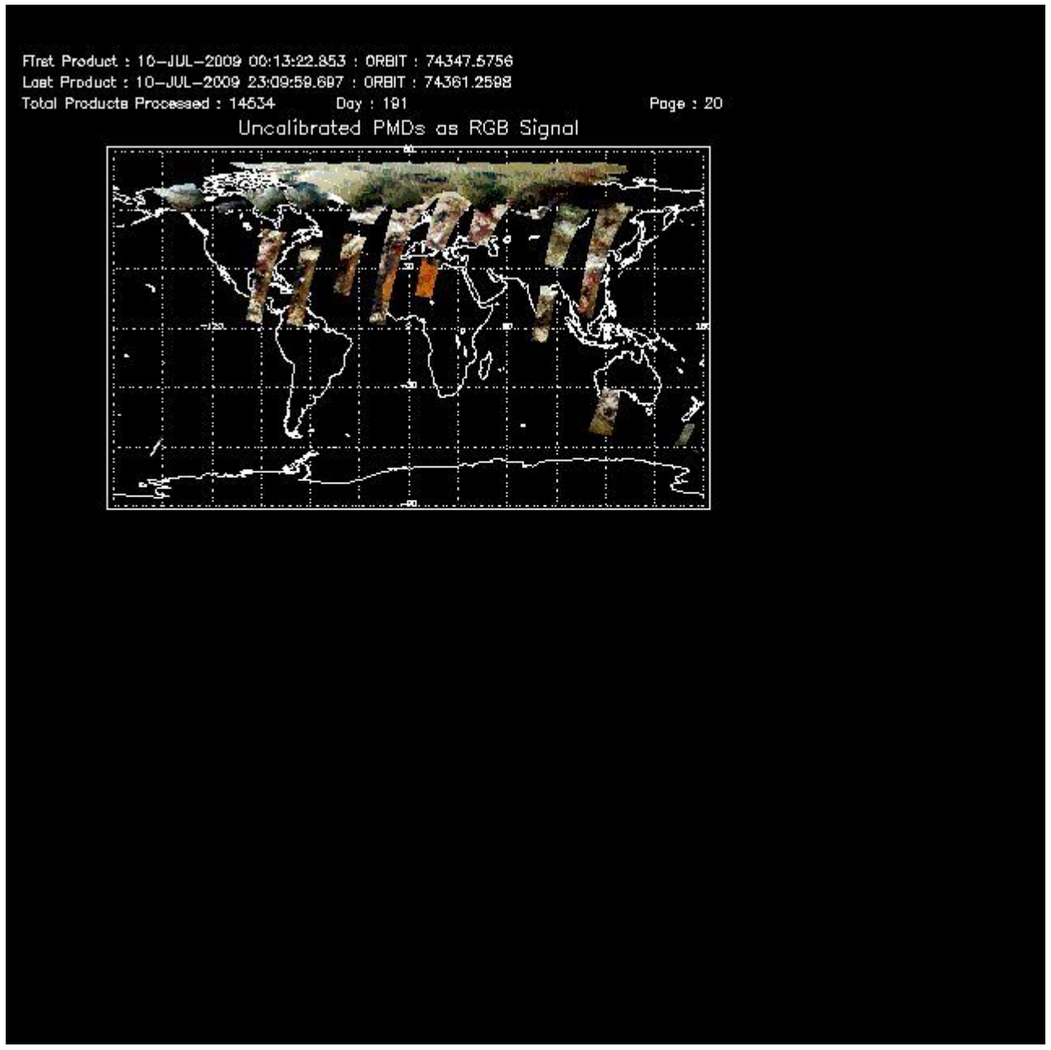
NEAR IR Intensity



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	19:39:38.920	--	74359	Y	--	14625

(2)(3)

3.2 - Lamp Calibration (Quarterly/TST44)

Quarterly(D)/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	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

4.2 - Instrument Off

Start Time	End Time	Start Orbit	Orbit End	MPS Resumption	Ground Station Visibility (Y/NS/NE)
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(2)

4.3 - Cooler Switchings

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

(2)

5.4 - Wrong Command Execution

Start Time	End Time	Start Orbit	Orbit End	Ground Station Visibility (Y/NS/NE)
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(2)

5.5 - Narrow Swath Timeline

Start Time	End Time	Start Orbit	Orbit End
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5.6 - Seasonal Operations

Start Time	End Time	Start Orbit	Orbit End
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[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