Draft report based on analysis of EGOI data using the Daily Reports and ERGO software system of the PCS



GOME Operations during May 2005

Date	operations	remark
01/05/05 0	data available within visibility of groundstation	start of sun calibration: 18:15:47.37
02/05/05 0	data available within visibility of groundstation	start of sun calibration: 16:49:29.25
03/05/05 0	data available within visibility of groundstation	start of sun calibration: 17:12:28.26
04/05/05 0	data available within visibility of groundstation	start of sun calibration: 20:01:54.23
05/05/05	data available within visibility of groundstation Polar View Timeline ended	start of sun calibration: 19:30:14.67
06/05/05 0	data available within visibility of groundstation	start of sun calibration: 18:58:29.11
07/05/05 0	data available within visibility of groundstation	start of sun calibration: 18:26:49.55
08/05/05 0	data available within visibility of groundstation	start of sun calibration: 17:55:09.98
09/05/05 0	data available within visibility of groundstation	start of sun calibration: 17:23:30.42
10/05/05 d	data available within visibility of groundstation	start of sun calibration: 16:51:44.86
11/05/05 d	data available within visibility of groundstation	start of sun calibration: 19:41:18.51
12/05/05 d	data available within visibility of groundstation	start of sun calibration: 19:09:32.95
13/05/05 d	data available within visibility of groundstation	start of sun calibration: 18:37:53.38
14/05/05 d	data available within visibility of groundstation	start of sun calibration: 18:06:10.25
15/05/05 d	data available within visibility of groundstation	start of sun calibration: 17:34:30.69
16/05/05 d	data available within visibility of groundstation	start of sun calibration: 17:02:51.13
17/05/05 d	data available within visibility of groundstation	start of sun calibration: 19:52:18.78
18/05/05 d	data available within visibility of groundstation	start of sun calibration: 18:48:59.66
19/05/05 d	data available within visibility of groundstation	start of sun calibration: 18:48:59.66
20/05/05 0	data available within visibility of groundstation	start of sun calibration: 18:17:20.10
21/05/05 0	data available within visibility of groundstation	start of sun calibration: 17:45:40.53
22/05/05 0	data available within visibility of groundstation	start of sun calibration: 17:14:00.97
C	data available within visibility of groundstation	

GOME unavailable no solar calibration measurements available due to Payload in standby

start: 18:31:02

data available within visibility of groundstation

GOME unavailable 24/05/05 start of sun calibration: 17.51:10.66 (TST44 with warm detectors T = 263K)

stop: 16:18:59

29/05/05 data available within visibility of groundstation

30/05/05 data available within visibility of groundstation

31/05/05 data available within visibility of groundstation

25/05/05 data available within visibility of groundstation no solar calibration measurements available due to the execution of an ERS2 orbit manoeuvre 26/05/05 data available within visibility of groundstation start of sun calibration: 18:28:28.73 27/05/05 data available within visibility of groundstation no solar calibration measurements available due to missing data 28/05/05 data available within visibility of groundstation start of sun calibration: 17:25:09.62

start of sun calibration: 19:43:03 start of sun calibration: 19:11:25

no solar calibration data available due to missing data

Anomalies:

23/05/05

single event upsets (SEU):

Date reason

14/04/05 on-board software problem caused anomaly (orbits 52190 - 52197); 01:40 - 13:40

reason gap at MA gap at PS gap at PS gap at PS gap at PS gap at MA gap at MA gap at PS gap at MA gap at PS gap at PS gap at MA gap at MA gap at PS gap at MA gap at PS gap at PS gap at MA gap at MA gap at MA gap at PS gap at KS gap at MA gap at MS gap at MA gap at MS gap at MS gap at PS

list of datagaps:

Date	Orbit No.	duration	
01/05/05	52439	11:48:56 - 11:54:34	
01/05/05	52444	19:44:18 - 19:56:44	
01/05/05	52445	21:23:11 - 21:36:21	
02/05/05	52451	07:59:07 - 08:07:05	
02/05/05	52453	11:16:39 - 11:25:26	
02/05/05	52458	19:16:24 - 19:24:43	
02/05/05	52458	19:34:27 - 19:46:52	
02/05/05	52459	21:14:56 - 21:21:45	
03/05/05	52464	05:18:25 - 05:32:06	
03/05/05	52465	07:01:48 - 07:10:07	
03/05/05	52467	10:44:09 - 10:55:39	
03/05/05	52472	18:47:33 - 18:51:43	
03/05/05	52472	19:03:02 - 19:16:21	
03/05/05	52473	20:20:22 - 20:34:10	
03/05/05	52473	20:43:13 - 20:52:20	
04/05/05	52479	06:28:36 - 06:39:41	
04/05/05	52480	08:33:56 - 08:46:05	
04/05/05	52482	11:55:05 - 11:59:33	
04/05/05	52486	18:31:41 - 18:45:31	
04/05/05	52487	19:49:48 - 20:02:37	
04/05/05	52487	20:11:39 - 20:22:32	
05/05/05	52493	05:56:08 - 06:08:50	
05/05/05	52494	08:03:53 - 08:13:12	
05/05/05	52496	11:22:31 - 11:30:54	
05/05/05	52501	19:21:42 - 19:30:34	
05/05/05	52501	19:40:10 - 19:52:23	
05/05/05	52502	21:05:25 - 21:18:46	
05/05/05	52503	22:42:26 - 22:47:40	
05/05/05	52503	22:35:31 - 22:43:17	
06/05/05	52515	18:53:07 - 18:57:26	
06/05/05	52517	22:08:21 - 22:18:10	
07/05/05	52531	21:34:46 - 21:47:38	
08/05/05	52537	08:09:14 - 08:19:15	
08/05/05	52544	19:27:03 - 19:36:24	
08/05/05	52545	21:03:00 - 21:16:26	
09/05/05	52558	18:58:20 - 19:03:08	
09/05/05	52559	20:31:36 - 20:45:19	
09/05/05	52560	22:13:11 - 22:22:15	
09/05/05	52561	00:00:53 - 00:02:08	
10/05/05	52572	18:43:05 - 18:56:46	





10/05/05	52573	20:00:52 - 20:14:14	gap at MA
11/05/05	52580	08:14:39 - 08:25:16	gap at MA
11/05/05	52587	19:30:36 - 19:42:13	gap at MA
12/05/05	52601	19:03:23 - 19:08:50	gap at MA
12/05/05	52601	19:20:10 - 19:33:02	gap at PS
12/05/05	52602	21:00:30 - 21:08:26	gap at PS
12/05/05	52603	22:20:27 - 22:29:05	gap at MA
13/05/05	52607	05:04:04 - 05:17:56	gap at PS
13/05/05	52608	06:46:35 - 06:56:22	gap at PS
13/05/05	52617	21:47:01 - 21:58:48	gap at MA
14/05/05	52623	08:20:07 - 08:31:15	gap at MA
14/05/05	52624	09:58:34 - 10:11:39	gap at MA
14/05/05	52625	11:40:00 - 11:46:53	gap at MA
14/05/05	52630	19:36:04 - 19:48:01	gap at MA
14/05/05	52631	21:14:32 - 21:27:47	gap at MA
15/05/05	52645	20:42:54 - 20:56:36	gap at MA
15/05/05	52644	19:14:46 - 19:15:54	gap at MA
16/05/05	52650	05:09:48 - 05:23:36	gap at PS
16/05/05	52651	06:52:38 - 07:01:53	gap at PS
16/05/05	52658	18:54:29 - 19:07:58	gap at PS
16/05/05	52659	20:11:59 - 20:25:42	gap at MA
16/05/05	52659	20:34:36 - 20:44:14	gap at PS
16/05/05	52660	21:52:54 - 22:04:22	gap at MA
17/05/05	52668	11:45:54 - 11:52:02	gap at MA
17/05/05	52673	19:41:33 - 19:53:48	gap at MA
18/05/05	52687	19:13:16 - 19:21:17	gap at MA
18/05/05	52689	22:32:49 - 22:39:50	gap at MA
18/05/05	52680	07:59:59 - 08:01:45	gap at MA
19/05/05	52693	05:15:33 - 05:29:16	gap at PS
19/05/05	52694	06:58:44 - 07:07:22	gap at PS
19/05/05	52699	15:29:40 - 15:41:27	gap at KS
19/05/05	52701	18:44:45 - 18:48:51	gap at MA
19/05/05	52701	19:00:11 - 19:13:34	gap at PS
19/05/05	52702	20:40:21 - 20:49:38	gap at PS
19/05/05	52703	21:58:48 - 22:09:54	gap at MA
20/05/05	52711	11:51:59 - 11:57:05	gap at MA
20/05/05	52716	19:47:03 - 19:59:41	gap at MA
20/05/05	52717	21:26:04 - 21:39:12	gap at MA
21/05/05	52731	20:54:15 - 21:07:57	gap at MA
21/05/05	52732	22:39:11 - 22:45:05	gap at MA
22/05/05	52734	01:59:24 - 02:12:28	gap at GS
22/05/05	52744	18:50:20 - 18:54:34	gap at MA
22/05/05	52745	20:23:10 - 20:36:57	gap at MA
23/05/05	52757	16:42:16 - 16:53:58	gap at KS
23-24/05/05	52758 - 52771	18:31:02 (23/05/05) - 16:18:59 (24/05/05) GOME una	available due to ERS2 Pavload in sta

23-24/05/05 52758 - 52771 18:31:02 (23/05/05) - 16:18:59 (24/05/05) GOME unavailable due to ERS2 Payload in standby (see ER-UNA 2005/012)

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24/05/05	52773	19:24:22 - 19:33:29	gap at MA
24/05/05	52775	22:45:40 - 22:50:12	gap at MA
25/05/05	52787	18:55:53 - 19:00:17	gap at MA
25/05/05	52789	22:11:22 - 22:20:55	gap at MA
27/05/05	52811	11:31:18 - 11:39:02	gap at MA
27/05/05	52815	17:55:00 - 18:08:13	gap at KS
27/05/05	52816	19:48:45 - 20:00:38	gap at PS
28/05/05	52819	00:35:33 - 00:42:46	gap at GS
28/05/05	52830	19:00:51 - 19:05:59	gap at MA
28/05/05	52831	20:34:25 - 20:48:06	gap at MA
28/05/05	52831	20:57:37 - 21:05:46	gap at PS
28/05/05	52833	23:52:23 - 23:53:49	gap at MS
29/05/05	52834	01:40:05 - 01:52:23	gap at GS
29/05/05	52835	03:18:25 - 03:32:09	gap at GS
29/05/05	52836	05:01:12 - 05:15:05	gap at PS
29/05/05	52837	06:43:34 - 06:53:35	gap at PS
29/05/05	52838	08:39:22 - 08:52:30	gap at KS
29/05/05	52839	10:19:00 - 10:32:59	gap at KS
29/05/05	52840	11:58:27 - 12:11:47	gap at KS
29/05/05	52841	13:37:27 - 13:49:36	gap at KS
29/05/05	52842	15:15:45 - 15:27:25	gap at KS
29/05/05	52842	15:27:43 - 15:41:23	gap at GS
29/05/05	52843	16:53:24 - 17:05:56	gap at KS
29/05/05	52843	17:07:26 - 17:19:54	gap at GS
29/05/05	52844	18:31:27 - 18:45:07	gap at KS
29/05/05	52844	18:45:56 - 18:59:34	gap at PS
29/05/05	52845	20:10:45 - 20:24:40	gap at KS
29/05/05	52845	20:26:00 - 20:36:07	gap at PS
29/05/05	52846	21:43:49 - 21:56:01	gap at MA
29/05/05	52846	21:51:58 - 22:04:17	gap at KS
29/05/05	52847	23:35:56 - 23:43:27	gap at KS
29/05/05	52833	23:52:23 - 23:53:49	gap at MS
30/05/05	52848	01:10:07 - 01:20:41	gap at GS
30/05/05	52849	02:47:03 - 03:00:58	gap at GS
30/05/05	52850	04:28:44 - 04:39:21	gap at GS
30/05/05	52851	06:10:49 - 06:22:53	gap at PS
30/05/05	52852	08:17:23 - 08:28:16	gap at MA
30/05/05	52854	11:37:06 - 11:44:17	gap at MA
30/05/05	52859	19:33:20 - 19:45:07	gap at MA
31/05/05	52867	09:16:22 - 09:30:03	gap at KS
31/05/05	52867	09:24:32 - 09:38:05	gap at MA
31/05/05	52873	19:05:58 - 19:12:57	gap at MA
31/05/05	52873	19:23:01 - 19:35:49	gap at PS
31/05/05	52874	20:40:04 - 20:53:45	gap at MA
31/05/05	52875	22:23:31 - 22:31:48	gap at MA

ap at MA ap at MA ap at MA ap at MA ap at KS ap at PS ap at GS ap at MA ap at MA ap at PS ap at MS ap at GS ap at GS ap at PS ap at PS ap at KS ap at GS ap at KS ap at GS ap at KS ap at PS ap at KS ap at PS ap at MA ap at KS ap at KS ap at MS ap at GS ap at GS ap at GS ap at PS ap at MA ap at MA ap at MA ap at KS ap at MA ap at MA ap at PS ap at MA ap at MA

31/05/05	52866	07:44:08 - 07:48:10	gap at KS
31/05/05	52868	10:55:58 - 11:02:05	gap at KS
31/05/05	52864	04:04:17 - 04:08:45	gap at GS



Lamp Failures: none

cooler switchings:

Date coolers off/on maximum detector warm up temperature [Kelvin]

FPA 1: 267

FPA 2: 267

23-24/05/05 18:31:02 (23/05/05) off 17:57:07 (24/05/05) on FPA 3: 267

FPA 4: 267

timeline interruptions: (operations in nadir static view): none

Narrow Swath Timeline:

Date Orbit No. Duration remark

14-15/05/05 52630 - 52642 ~19:30 (14/05/05) - Narrow Swath Timeline GMNNOT41 executed ~17:00 (15/05/05)

others:

Date Orbit No. Duration remark

10/03/05 - 05/05/05 51687 - 52501 ~00:00 (10/03/05) -~22:00 (05/05/05) GOME North Polar View operations ended on day 05/05/2005; start of operations was day 10/03/2005

24/05/05 52772 17:55:10 - 17:57:07 calibration lamp sequence without lamp failure and without calibration lamp instability but with warm detectors (TST44)