GOME Operations for October 2004

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

GOME Operations during October 2004

Date	operations	remark
01/10/04	data available within visibility of groundstations	start of sun calibration: 19:24:42.00
02/10/04	data available within visibility of groundstations	start of sun calibration: 18:53:08.43
03/10/04	data available within visibility of groundstations	start of sun calibration: 15:00:27.67
04/10/04	data available within visibility of groundstations	start of sun calibration: 14:28:56.77
05/10/04	data available within visibility of groundstations	start of sun calibration: 13:57:29.21
06/10/04	data available within visibility of groundstations	start of sun calibration: 16:47:08.85
07/10/04	data available within visibility of groundstations	start of sun calibration: 16:15:41.29
08/10/04	data available within visibility of groundstations	start of sun calibration: 15:44:07.73
09/10/04	data available within visibility of groundstations	start of sun calibration: 15:12:40.17
10/10/04	data available within visibility of groundstations	start of sun calibration: 14:41:06.61
11/10/04	data available within visibility of groundstations	start of sun calibration: 14:09:39.05
12/10/04	data available within visibility of groundstations	start of sun calibration: 13:38:05.50
13/10/04	data available within visibility of groundstations	start of sun calibration: 16:27:51.16
14/10/04	data available within visibility of groundstations	start of sun calibration: 15:56:16.86
15/10/04	data available within visibility of groundstations	start of sun calibration: 15:24:49.30
16/10/04	data available within visibility of groundstations	start of sun calibration: 14:53:15.75
17/10/04	data available within visibility of groundstations	start of sun calibration: 14:21:48.20
18/10/04	SEU data available within visibility of groundstations	start of sun calibration: 13:50:14.65
19/10/04	data available within visibility of groundstations	start of sun calibration: 16:39:54.18
20/10/04	data available within visibility of groundstations	start of sun calibration: 16:08:26.62
21/10/04	data available within visibility of groundstations	start of sun calibration: 15:36:53.06
22/10/04	data available within visibility of groundstations	no solar calibration measurements performed
23/10/04	data available within visibility of groundstations	start of sun calibration: 11:12:38.74
24/10/04	data available within visibility of groundstations	start of sun calibration: 10:41:07.92
25/10/04	data available within visibility of groundstations	start of sun calibration: 10:09:40.37
26/10/04	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
27/10/04	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
28/10/04	data available within visibility of groundstations Lamp Failures (no. 132-137) quarterly calibration performed during Orbits 49792 - 49797 two Orbits in Nadir Static View 49789, 49790	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
29/10/04	data available within visibility of groundstations	start of sun calibration: 11:24:45.39
30/10/04	data available within visibility of groundstations	start of sun calibration: 10:53:11.85
31/10/04	data available within visibility of groundstations	start of sun calibration: 10:21:44.30

Anomalies:

single event upsets (SEU):

Date	reason
	on-board software problem caused anomaly (orbits 49651 - 49652); ~16:45 - ~20:00
18/10/2004	Level 0: - 3*Nack flag set - scan mirror position at 261.8 deg - detector temperatures at ~267K (instead nominally 235K) - scan mirror motor current low at 2750 BU (nominally at ~30000 BU)

list of datagaps:

Date	Orbit No.	duration	reason
01/10/04	49409	19:11:09 - 19:18:51	gap at MA
01/10/04	49411	22:29:42 - 22:37:10	gap at MA
01/10/04	49402	07:57:34 - 07:59:48	gap at MA
02/10/04	49423	18:57:20 - 19:10:46	gap at PS
02/10/04	49424	20:37:29 - 20:46:56	gap at PS
02/10/04	49425	21:55:51 - 22:07:08	gap at MA
03/10/04	49433	11:48:56 - 11:54:34	gap at MA
03/10/04	49439	21:23:11 - 21:36:21	gap at MA
04/10/04	49447	11:16:39 - 11:25:26	gap at MA
04/10/04	49452	19:16:24 - 19:24:43	gap at MA
05/10/04	49461	10:44:09 - 10:55:39	gap at MA
05/10/04	49463	14:06:59 - 14:15:41	gap at GS
05/10/04	49466	18:47:33 - 18:51:43	gap at MA
05/10/04	49467	20:20:22 - 20:34:10	gap at MA
05/10/04	49456	01:56:37 - 02:03:39	gap at GS
05/10/04	49464	15:44:42 - 15:45:52	gap at GS
06/10/04	49476	11:55:05 - 11:59:33	gap at MA
06/10/04	49481	19:49:48 - 20:02:37	gap at MA
07/10/04	49490	11:22:31 - 11:30:54	gap at MA
07/10/04	49495	19:21:42 - 19:30:34	gap at MA
07/10/04	49497	22:42:26 - 22:47:40	gap at MA
08/10/04	49503	09:11:10 - 09:23:42	gap at MA
08/10/04	49509	18:53:07 - 18:57:26	gap at MA
08/10/04	49509	19:08:45 - 19:21:55	gap at PS
08/10/04	49511	22:08:21 - 22:18:10	gap at MA
08/10/04	49504	10:41:45 - 10:43:40	gap at KS
08/10/04	49504	10:49:55 - 10:55:03	gap at MA
09/10/04	49516	06:34:34 - 06:45:15	gap at PS
09/10/04	49525	21:34:46 - 21:47:38	gap at MA
10/10/04	49533	11:28:24 - 11:36:24	gap at MA
10/10/04	49534	13:12:35 - 13:21:24	gap at MS

10/10/04 49538 19:45:53 - 19:57:53 gap at PS
10/10/04 49538 19:34:51 - 19:36:24 gap at MA
10/10/04 49539 21:03:00 - 21:16:26 gap at MA
11/10/04 49546 09:16:23 - 09:29:28 gap at MA
11/10/04 49552 18:58:20 - 19:03:08 gap at MA
11/10/04 49553 20:31:36 - 20:45:19 gap at MA
12/10/04 49567 20:00:52 - 20:14:14 gap at MA
13/10/04 49574 08:14:39 - 08:25:16 gap at MA
13/10/04 49576 11:34:12 - 11:41:40 gap at MA
13/10/04 49581 19:30:36 - 19:42:13 gap at MA
14/10/04 49595 19:03:23 - 19:08:50 gap at MA
14/10/04 49595 19:20:10 - 19:33:02 gap at PS
14/10/04 49596 20:37:14 - 20:50:54 gap at MA
14/10/04 49597 22:20:27 - 22:29:05 gap at MA
15/10/04 49601 05:04:04 - 05:17:56 gap at PS
15/10/04 49604 10:35:51 - 10:46:44 gap at MS
15/10/04 49605 12:14:24 - 12:27:09 gap at MS
15/10/04 49611 21:47:01 - 21:58:48 gap at MA
16/10/04 49616 06:13:46 - 06:25:41 gap at PS
16/10/04 49616 06:31:41 - 06:39:37 gap at KS
16/10/04 49617 08:20:07 - 08:31:15 gap at MA
16/10/04 49618 10:06:04 - 10:13:04 gap at MS
16/10/04 49619 11:40:00 - 11:46:53 gap at MA
16/10/04 49624 19:57:20 - 20:08:52 gap at PS
16/10/04 49625 21:14:32 - 21:27:47 gap at MA
17/10/04 49632 09:27:21 - 09:40:56 gap at MA
17/10/04 49639 20:42:54 - 20:56:3 gap at MA
17/10/04 49640 22:26:36 - 22:34:29 gap at MA
18/10/04 49646 08:56:50 - 09:09:15 gap at MA
18/10/04 49647 10:35:32 - 10:47:24 gap at MA
18/10/04 49652 18:54:29 - 19:07:58 gap at PS
18/10/04 49653 20:34:36 - 20:44:14 gap at PS
20/10/04 49674 08:00:04 - 08:01:45 gap at MA
22/10/04 49710 20:08:47 - 20:19:48 gap at PS
23/10/04 49723 17:59:24 - 18:08:44 gap at GS
25/10/04 49753 19:52:34 - 20:05:33 gap at MA
26/10/04 49767 19:24:22 - 19:33:29 gap at MA
26/10/04 49769 22:45:40 - 22:50:12 gap at MA
27/10/04 49781 18:55:53 - 19:00:17 gap at MA
27/10/04 49783 22:11:22 - 22:20:55 gap at MA
28/10/04 49790 10:21:21 - 10:33:34 gap at MA
29/10/04 49803 08:11:57 - 08:22:16 gap at MA
29/10/04 49805 11:31:18 - 11:39:02 gap at MA
30/10/04 49813 00:35:33 - 00:42:46 gap at GS
30/10/04 49825 20:34:25 - 20:48:06 gap at MA

Lamp Failures:

Date	reason	remark
28/10/04	Lamp Failure (no. 132 - 137) Orbits 49792 - 49797	Lamp Failures set during monthly calibration sequences, voltage reached only a value of 180 V; sequence without Lamp Failure orbit 49794, 17:00:17 - 17:10:19 (but Lamp voltage only 181 V instead of nominal 198 V)

cooler switchings: none

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

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/10/04	49450 - 49463	~16:00 (04/10/04) - ~13:30 (05/10/04)	Narrow Swath Timeline GMNNOT41 executed
14-15/10/04	49593 - 49606	~17:00 (14/10/04) - ~14:30 (15/10/04)	Narrow Swath Timeline GMNNOT41 executed
24-25/10/04	49734 - 49747	~12:00 (24/10/04) - ~09:30 (25/10/04)	Narrow Swath Timeline GMNNOT41 executed

others: none