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

GOME Operations during June 2004

Date	operations	remark
01/06/04	data available within visibility of groundstations	start of sun calibration: 19:51:31.44
02/06/04	data available within visibility of groundstations	start of sun calibration: 19:19:51.87
03/06/04	data available within visibility of groundstations	start of sun calibration: 18:48:12.31
04/06/04	data available within visibility of groundstations	start of sun calibration: 18:16:34.50
05/06/04	data available within visibility of groundstations	start of sun calibration: 17:44:54.94
06/06/04	data available within visibility of groundstations	start of sun calibration: 17:13:15.37
07/06/04	data available within visibility of groundstations	start of sun calibration: 16:42:23.81
08/06/04	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
09/06/04	data available within visibility of groundstations	start of sun calibration: 18:59:29.88
10/06/04	data available within visibility of groundstations	start of sun calibration: 18:27:50.32
11/06/04	data available within visibility of groundstations	start of sun calibration: 17:56:16.76
12/06/04	data available within visibility of groundstations	start of sun calibration: 17:24:37.20
13/06/04	data available within visibility of groundstations	start of sun calibration: 16:53:36.63
14/06/04	data available within visibility of groundstations	start of sun calibration: 19:42:35.48
15/06/04	data available within visibility of groundstations	start of sun calibration: 19:10:55.92
16/06/04	data available within visibility of groundstations	start of sun calibration: 18:39:16.35
17/06/04	data available within visibility of groundstations	start of sun calibration: 18:07:42.79
18/06/04	data available within visibility of groundstations	start of sun calibration: 17:36:03.22
19/06/04	data available within visibility of groundstations	start of sun calibration: 17:04:47.67
20/06/04	data available within visibility of groundstations	start of sun calibration: 19:54:03.30
21/06/04	data available within visibility of groundstations GOME switch-off: start: 13:19:28 stop: 16:09:40	start of sun calibration: 19:26:20.49 (T= 235 K) start of sun calibration: 17:41:49.83 (TST44 with warm detectors T=~268K)
22/06/04	data available within visibility of groundstations	start of sun calibration: 18:50:47.38
23/06/04	data available within visibility of groundstations	start of sun calibration: 18:19:07.97
24/06/04	data available within visibility of groundstations	start of sun calibration: 17:48:28
25/06/04	data available within visibility of groundstations	start of sun calibration: 17:15:59.92
26/06/04	data available within visibility of groundstations	start of sun calibration: 16:45:15.86
27/06/04	data available within visibility of groundstations	start of sun calibration: 19:33:57.00
28/06/04	Lamp Failures (no. 113-117) data available within visibility of groundstations monthly calibration performed during Orbits 48046, 48050- 48051 two Orbits in Nadir Static View 48047, 48048	start of sun calibration: 19:02:17.44

Lamp Failures (no. 118-122)
data available within visibility of groundstations

29/06/04 monthly calibration performed start of sun calibration: 18:30:43.89

during Orbits 48052 - 48054

30/06/04 data available within visibility of groundstations start of sun calibration: 17:59:10.33

Anomalies:

single event upsets (SEU): none

list of datagaps:

Date	Orbit No.	duration	reason
01/06/04	47658	11:45:54 - 11:52:02	gap at MA
01/06/04	47663	19:41:33 - 19:53:48	gap at MA
02/06/04	47666	00:48:58 - 00:53:31	gap at GS
02/06/04	47670	08:00:04 - 08:01:45	gap at MA
02/06/04	47677	19:13:16 - 19:21:17	gap at MA
02/06/04	47679	22:32:49 - 22:39:50	gap at MA
03/06/04	47686	10:46:51 - 10:58:35	gap at MS
03/06/04	47687	12:25:52 - 12:38:13	gap at MS
03/06/04	47691	18:44:45 - 18:48:51	gap at MA
03/06/04	47693	21:57:13 - 22:07:39	gap at MS
03/06/04	47693	21:58:48 - 22:09:54	gap at MA
03/06/04	47694	23:34:58 - 23:48:05	gap at MS
04/06/04	47699	08:31:07 - 08:43:08	gap at MA
04/06/04	47700	10:16:43 - 10:25:34	gap at MS
04/06/04	47701	11:51:59 - 11:57:05	gap at MA
04/06/04	47701	11:54:16 - 12:07:35	gap at MS
04/06/04	47707	21:26:04 - 21:39:12	gap at MA
04/06/04	47708	23:03:33 - 23:17:02	gap at MS
05/06/04	47709	00:46:29 - 00:54:01	gap at MS
05/06/04	47715	11:19:35 - 11:28:08	gap at MA
05/06/04	47715	11:23:09 - 11:36:21	gap at MS
05/06/04	47716	13:03:45 - 13:13:29	gap at MS
05/06/04	47720	19:37:18 - 19:49:38	gap at PS
05/06/04	47722	22:32:45 - 22:45:26	gap at MS
05/06/04	47722	22:39:11 - 22:45:05	gap at MA
05/06/04	47722	22:45:00 - 22:55:25	gap at KS
05/06/04	47714	09:51:10 - 09:52:21	gap at MA
06/06/04	47723	00:12:59 - 00:24:20	gap at MS
06/06/04	47729	10:52:20 - 11:04:28	gap at MS
06/06/04	47730	12:31:36 - 12:43:43	gap at MS
06/06/04	47734	18:50:20 - 18:54:34	gap at MA
06/06/04	47735	20:23:10 - 20:36:57	gap at MA

06/06/04	47736	22:02:36 - 22:13:27	gap at MS
06/06/04	47737	23:40:45 - 23:53:43	gap at MS
07/06/04	47749	19:52:34 - 20:05:33	gap at MA
07/06/04	47749	20:14:31 - 20:25:15	gap at PS
08/06/04	47758	11:25:28 - 11:33:40	gap at MA
	47763	19:24:22 - 19:33:29	gap at MA
08/06/04	47765	22:45:40 - 22:50:12	gap at MA
09/06/04	47770	07:11:04 - 07:18:15	gap at PS
09/06/04	47777	18:55:53 - 19:00:17	gap at MA
09/06/04	47779	22:11:22 - 22:20:55	gap at MA
11/06/04	47799	08:11:57 - 08:22:16	gap at MA
11/06/04	47801	11:31:18 - 11:39:02	gap at MA
11/06/04	47803	14:43:24 - 14:51:02	data gap at KS due to an IDHT power cycling to cure an EGH header problem (see ER2-UNA-2004/013)
11/06/04	47803	14:51:10 - 15:03:36	data gap at GS due to an IDHT power cycling to cure an EGH header problem (see ER2-UNA-2004/013)
11/06/04	47804	16:17:09 - 16:27:32	data gap at KS due to an IDHT power cycling to cure an EGH header problem (see ER2-UNA-2004/013)
11/06/04	47806	19:27:53 - 19:39:19	gap at MA
12/06/04	47809	00:35:33 - 00:42:46	gap at GS
12/06/04	47821	20:34:25 - 20:48:06	gap at MA
13/06/04	47834	18:45:56 - 18:59:34	gap at PS
14/06/04	47842	08:17:23 - 08:28:16	gap at MA
14/06/04	47844	11:37:06 - 11:44:17	gap at MA
14/06/04	47849	19:33:20 - 19:45:07	gap at MA
15/06/04	47863	19:05:58 - 19:12:57	gap at MA
15/06/04	47864	20:40:04 - 20:53:45	gap at MA
15/06/04	47865	22:23:31 - 22:31:48	gap at MA
16/06/04	47879	21:49:57 - 22:01:35	gap at MA
17/06/04	47885	08:22:51 - 08:34:14	gap at MA
17/06/04	47887	11:42:55 - 11:49:28	gap at MA
17/06/04	47892	19:38:48 - 19:50:55	gap at MA
17/06/04	47893	21:17:25 - 21:30:39	gap at MA
18/06/04	47899	07:52:55 - 07:59:48	gap at MA
18/06/04	47900	09:42:33 - 09:43:48	gap at MA
18/06/04	47906	19:11:09 - 19:18:51	gap at MA
18/06/04	47906	19:28:44 - 19:41:21	gap at PS
18/06/04	47907	20:45:44 - 20:59:26	gap at MA
18/06/04	47908	22:29:42 - 22:37:10	gap at MA
19/06/04	47909	00:04:55 - 00:16:00	gap at MS
19/06/04	47922	21:55:51 - 22:07:08	gap at MA
20/06/04	47928	08:25:48 - 08:32:08	gap at KS
20/06/04	47930	11:48:56 - 11:54:34	gap at MA
20/06/04	47935	19:44:18 - 19:56:44	gap at MA
21/06/04	47942	07:59:07 - 08:07:05	gap at MA
21/06/04	47944	11:16:39 - 11:25:26	gap at MA
21/06/04	47946-47	13:19:28 - 16:09:40	data gap due to GOME switch-off (see ER2-UNA- 2004/014)
21/06/04	47949	19:16:24 - 19:24:43	gap at MA

21/06/04	47950	20:51:24 - 21:05:07	gap at MA
21/06/04	47951	22:35:59 - 22:42:28	gap at MA
22/06/04	47959	12:17:07 - 12:28:36	gap at KS
22/06/04	47959	12:28:44 - 12:30:42	gap at MS
22/06/04	47963	18:47:33 - 18:51:43	gap at MA
22/06/04	47965	22:01:51 - 22:12:40	gap at MA
23/06/04	47973	11:55:05 - 11:59:33	gap at MA
23/06/04	47978	19:49:48 - 20:02:37	gap at MA
23/06/04	47978	19:56:28 - 20:00:17	gap at KS
24/06/04	47985	08:03:53 - 08:13:12	gap at MA
24/06/04	47987	11:22:31 - 11:30:54	gap at MA
24/06/04	47992	19:21:42 - 19:30:34	gap at MA
24/06/04	47994	22:36:21 - 22:48:18	gap at MS
24/06/04	47994	22:42:26 - 22:47:40	gap at MA
25/06/04	48006	18:53:07 - 18:57:26	gap at MA
25/06/04	48006	19:08:45 - 19:21:55	gap at PS
25/06/04	48007	20:25:59 - 20:39:45	gap at MA
25/06/04	48007	20:48:59 - 20:57:43	gap at PS
27/06/04	48030	11:28:24 - 11:36:24	gap at MA
27/06/04	48035	19:27:03 - 19:36:24	gap at MA
28/06/04	48049	18:58:20 - 19:03:08	gap at MA
28/06/04	48050	20:54:44 - 21:03:05	gap at PS
28/06/04	48051	22:14:23 - 22:23:39	gap at MA
29/06/04	48063	18:43:05 - 18:56:46	gap at PS
29/06/04	48064	20:00:52 - 20:14:14	gap at MA
30/06/04	48073	11:34:12 - 11:41:40	gap at MA
30/06/04	48078	19:30:36 - 19:42:13	gap at MA
30/06/04	48078	19:51:37 - 20:03:23	gap at PS

Lamp Failures:

Date	reason	remark
21/06/04	Lamp Failure (no. 112) Orbit 47948	Lamp Failure set, 17:46:00 - 17:47:40, voltage reached only a value of 180 V
28/06/04	Lamp Failure (no. 113 - 117) Orbit 48046, 48050, 48051	Lamp Failures set during monthly calibration sequences, voltage reached only a value of 180 V
29/06/04	Lamp Failure (no. 118 - 122) Orbit 48052, 48053, 48054	Lamp Failures set during monthly calibration sequences, voltage reached only a value of 180 V

cooler switchings:

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
21/06/04	13:19:28 off 17:47:42 on	FPA 1: 274.4 FPA 2: 275.2 FPA 3: 274.8 FPA 4: 275.3

timeline interruptions: (operations in nadir static view):

Date	Orbit No.	duration	reason
11/06/04	47804	16:17:09 - 16:43:49	GOME in Nadir Static View
22/06/04	47959	12:30:42 - 12:41:19	GOME timeline was interrupted, instrument in Nadir Static View

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/06/04	47706 - 47719	~20:00 (04/06/04) - ~17:30 (05/06/04)	Narrow Swath Timeline GMNNOT41 executed
14-15/06/04	47850 - 47863	~21:00 (14/06/04) - ~19:00 (15/06/04)	Narrow Swath Timeline GMNNOT41 executed
24-25/06/04	47992 - 48005	~19:30 (24/06/04) - ~17:00 (25/06/04)	Narrow Swath Timeline GMNNOT41 executed

others: none