GOME Operations for November 2003

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

GOME Operations during November 2003

Date	operations	remark
01/11/03	data available within visibility of groundstations	start of sun calibration: 11:33.29.20
02/11/03	data available within visibility of groundstations	start of sun calibration: 11:01:55.67
03/11/03	data available within visibility of groundstations	start of sun calibration: 10:30:28.14
04/11/03	data available within visibility of groundstations	start of sun calibration: 13:20:07.57
05/11/03	data available within visibility of groundstations	start of sun calibration: 12:48:34.04
06/11/03	data available within visibility of groundstations	start of sun calibration: 12:17:56.02
07/11/03	data available within visibility of groundstations	start of sun calibration: 11:45:33.01
08/11/03	data available within visibility of groundstations	start of sun calibration: 11:13:59.49
09/11/03	data available within visibility of groundstations	start of sun calibration: 10:42:25.97
10/11/03	data available within visibility of groundstations	start of sun calibration: 10:10:58.46
11/11/03	data available within visibility of groundstations	start of sun calibration: 13:00:38.15
12/11/03	data available within visibility of groundstations	start of sun calibration: 12:29:04.64
13/11/03	data available within visibility of groundstations	no solar calibration measurements available
14/11/03	data available within visibility of groundstations	start of sun calibration: 11:25:58.66
15/11/03	data available within visibility of groundstations	start of sun calibration: 10:54:25.14
16/11/03	data available within visibility of groundstations	start of sun calibration: 10:22:51.64
17/11/03	data available within visibility of groundstations	start of sun calibration: 13:12:31.36
18/11/03	data available within visibility of groundstations	start of sun calibration: 12:40:57.87
19/11/03	data available within visibility of groundstations	start of sun calibration: 12:09:24.38
20/11/03	data available within visibility of groundstations	start of sun calibration: 11:37:50.88
21/11/03	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
22/11/03	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
23/11/03	data available within visibility of groundstations	start of sun calibration: 13:24:23.62
24/11/03	data available within visibility of groundstations	start of sun calibration: 12:52:51.84
25/11/03	data available within visibility of groundstations	start of sun calibration: 12:21:18.33
26/11/03	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
27/11/03	data available within visibility of groundstations	no solar calibration performed due to the execution of an ERS2 orbit manoeuvre
28/11/03	data available within visibility of groundstations	start of sun calibration: 10:46:31.83
29/11/03	data available within visibility of groundstations	start of sun calibration: 10:14:58.33
30/11/03	data available within visibility of groundstations	start of sun calibration: 13:04:38.05

Anomalies:

single event upsets (SEU):

Date	reason
	on-board software problem caused anomaly (orbits 44989 - 45039) Level 0:
28/11/2003 - 01/12/2003	pixel readouts of channel 4 in saturation cured with switch-off/on in time-tag day 01/12

list of datagaps:

Date	Orbit No.	duration	reason
01/11/03	44615	21:38:13 - 21:42:48	gap at PS
02/11/03	44621	07:26:59 - 07:31:25	gap at PS
02/11/03	44628	19:25:53 - 19:38:35	gap at PS
02/11/03	44629	21:06:16 - 21:13:47	gap at PS
04/11/03	44658	21:44:06 - 21:47:59	gap at PS
05/11/03	44664	07:33:48 - 07:36:15	gap at PS
05/11/03	44671	19:31:35 - 19:44:07	gap at PS
05/11/03	44672	21:12:03 - 21:19:06	gap at PS
07/11/03	44691	04:43:51 - 04:53:03	gap at GS
07/11/03	44692	06:25:37 - 06:36:53	gap at PS
07/11/03	44701	21:34:27 - 21:47:13	gap at PS
08/11/03	44715	21:17:50 - 21:24:25	gap at PS
10/11/03	44734	04:49:47 - 05:03:44	gap at PS
10/11/03	44735	06:31:35 - 06:42:28	gap at PS
10/11/03	44744	21:56:10 - 21:58:01	gap at PS
11/11/03	44746	00:52:52 - 00:56:32	gap at MS
11/11/03	44749	05:59:04 - 06:11:39	gap at PS
11/11/03	44752	11:33:42 - 11:37:01	gap at MS
11/11/03	44757	19:43:02 - 19:55:08	gap at PS
11/11/03	44758	21:23:38 - 21:29:42	gap at PS
12/11/03	44763	05:27:04 - 05:40:36	gap at PS
13/11/03	44786	20:20:15 - 20:30:41	gap at PS
14/11/03	44789	00:59:31 - 01:03:55	gap at MS
14/11/03	44801	21:30:47 - 21:34:58	gap at PS
15/11/03	44807	07:17:20 - 07:23:36	gap at PS
17/11/03	44844	21:35:47 - 21:40:12	gap at PS
18/11/03	44850	07:23:43 - 07:28:51	gap at PS
19/11/03	44872	20:31:44 - 20:41:32	gap at PS
20/11/03	44887	21:41:09 - 21:45:24	gap at PS
21/11/03	44893	07:30:19 - 07:33:55	gap at PS
23/11/03	44930	21:47:04 - 21:50:32	gap at PS
24/11/03	44933	02:32:47 - 02:44:34	gap at PS
24/11/03	44934	04:09:39 - 04:24:27	gap at PS
24/11/03	44942	17:54:11 - 18:09:10	gap at PS
24/11/03	44944	21:14:08 - 21:22:45	gap at PS
26/11/03	44973	21:53:05 - 21:55:35	gap at PS
26/11/03	44987	21:20:44 - 21:27:03	gap at PS
28/11/03	44989	00:27:47 - 00:33:52	gap at GS
29/11/03	45014	18:40:51 - 18:45:08	gap at GS
29/11/03	45016	21:59:28 - 22:00:15	gap at PS
30/11/03	45018	00:56:08 - 01:01:33	gap at MS
30/11/03	45030	21:26:32 - 21:32:20	gap at PS

data available within visibility of groundstations:

over Europe, North Atlantic, the Arctic and western North America

Lamp Failures: none

cooler switchings: none

timeline interruptions: (operations in nadir static view):

Date	Orbit No.	Duration	remark
13/11/03	44781	11:53:35 - 12:18:40	due to an AMI anomaly GOME timeline was stopped
28/11/03	44993 - 44994	07:22:36 - 09:15:39	GOME in Nadir Static View
28/11/03	44996 - 45000	12:21:08 - 19:21:55	GOME in Nadir Static View

Narrow Swath Timeline:

Date	Orbit No.	Duration	remark
04-05/11/03	44654 - 44667	~15:00 (04/11/03) - ~12:00 (05/11/03)	Narrow Swath Timeline GMNNOT41 executed
14-15/11/03	44796 - 44809	~13:00 (14/11/03) - ~11:00 (15/11/03)	Narrow Swath Timeline GMNNOT41 executed
24-25/11/03	44940 - 44953	~14:00 (24/11/03) - ~12:00 (25/11/03)	Narrow Swath Timeline GMNNOT41 executed

others: none