

1. single event upsets
2. patches of the on-board software
3. cooler switchings
4. list of datagaps due to anomalies or special GOME instrument operations
5. timeline interruption (operation in static nadir view)
6. narrow swath timeline GMNNOT41
7. commanding problems - incorrect timelines executions
8. moon measurements
9. lamp failures
10. other events

single event upsets:

Date	reason
	on-board software problem caused anomaly (orbits 37731 - 37751) Level 0: no setting of co-adding flags
09-10/07/2002	no setting of science dump flags decrease of intensity of pixel readouts chan. 2 integration times channel 3 and 4 contiguously at 1.5 sec cured with switch-off/on in time-tag day 10/07
	on-board software problem (bitflip in address 131E2 in E2PROMCOPY), caused anomaly (orbits 40091 - 40142) Level 0:
20-24/12/2002	setting of co-adding flags FPA2/2 (usually not set during long periods) increase of intensity of pixel readouts channel 2 and 4 cured with switch-off/on in time-tag day 24/12

patches of the on-board software: none**cooler switchings:**

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
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04/01/02	09:52:44 off 09:54:34 on	FPA 1: 245.0 FPA 2: 245.3 FPA 3: 245.1 FPA 4: 245.1
14/01/02	11:18:40 off 11:20:29 on	FPA 1: 244.9 FPA 2: 245.3 FPA 3: 245.2 FPA 4: 245.3
24/01/02	12:44:17 off 12:46:07 on	FPA 1: 244.7 FPA 2: 245.2 FPA 3: 245.1 FPA 4: 245.0
04/02/02	10:16:50 off 10:18:40 on	FPA 1: 245.0 FPA 2: 245.3 FPA 3: 245.1 FPA 4: 245.2
14/02/02	11:42:01 off 11:43:51 on	FPA 1: 244.7 FPA 2: 245.2 FPA 3: 244.8 FPA 4: 245.1
24/02/02	09:45:54 off 09:47:44 on	FPA 1: 244.7 FPA 2: 245.2 FPA 3: 244.7 FPA 4: 245.0
04/03/02	12:14:22 off 12:16:12 on	FPA 1: 244.7 FPA 2: 244.9 FPA 3: 244.8 FPA 4: 245.0
08-21/03/02	02:14:59 (08/03/02) off 10:36:51 (21/03/02) on	FPA 1: 263.2 FPA 2: 264.1 FPA 3: 263.8 FPA 4: 264.1
24/03/02	11:42:59 off 11:44:49 on	FPA 1: 244.5 FPA 2: 244.8 FPA 3: 244.7 FPA 4: 244.8

		FPA 1: 244.7 FPA 2: 245.0
04/04/02	12:36:25 off 12:38:16 on	FPA 3: 244.9
		FPA 4: 244.9 FPA 1: 271.3 FPA 2: 272.0
11/04/02	02:18:44 off 12:55:39 on	FPA 3: 271.8
		FPA 4: 272.1 FPA 1: 244.5 FPA 2: 244.9
14/04/02	10:40:19 off 10:42:09 on	FPA 3: 244.7
		FPA 4: 244.7 FPA 1: 265.7 FPA 2: 266.1
15/04/02	07:32:10 off 10:48:45 on	FPA 3: 265.9
		FPA 4: 266.3 FPA 1: 244.5 FPA 2: 245.0
24/04/02	12:05:33 off 12:07:23 on	FPA 3: 244.8
		FPA 4: 244.8 FPA 1: 244.5 FPA 2: 245.1
04/05/02	10:09:42 off 10:11:32 on	FPA 3: 244.8
		FPA 4: 244.8 FPA 1: 244.8 FPA 2: 245.1
14/05/02	11:35:07 off 11:36:58 on	FPA 3: 244.7
		FPA 4: 244.8 FPA 1: 244.4 FPA 2: 244.7
24/05/02	09:39:34 off 09:41:25 on	FPA 3: 244.6
		FPA 4: 244.7 FPA 1: 244.5 FPA 2: 245.1
04/06/02	10:33:39 off 10:35:30 on	FPA 3: 244.6
		FPA 4: 244.9

14/06/02	11:59:43 off	FPA 1: 244.5
	12:01:33 on	FPA 2: 245.0
24/06/02	10:04:42 off 10:06:32 on	FPA 3: 244.6
		FPA 4: 244.9
		FPA 1: 244.4
		FPA 2: 245.1
04/07/02	11:31:01 off 11:32:51 on	FPA 3: 244.8
		FPA 4: 244.8
		FPA 1: 244.9
		FPA 2: 245.1
10/07/02	10:02:05 off 10:03:55 on	FPA 3: 245.0
		FPA 4: 244.9
		FPA 1: 244.9
		FPA 2: 245.0
14/07/02	09:36:25 off 09:38:15 on	FPA 3: 244.6
		FPA 4: 245.0
		FPA 1: 244.6
		FPA 2: 244.8
19/07/02	20:23:25 off 20:25:15 on	FPA 3: 244.6
		FPA 4: 244.9
		FPA 1: 244.6
		FPA 2: 244.9
24/07/02	11:03:13 off 11:05:03 on	FPA 3: 244.6
		FPA 4: 244.8
		FPA 1: 244.6
		FPA 2: 245.0
14/08/02	10:04:35 off 10:06:23 on	FPA 3: 244.9
		FPA 4: 244.9
		FPA 1: 244.6
		FPA 2: 244.8
24/08/02	11:31:46 off 11:33:36 on	FPA 3: 244.6
		FPA 4: 244.8
		FPA 1: 244.3
		FPA 2: 244.9
24/08/02	11:31:46 off 11:33:36 on	FPA 3: 244.5
		FPA 4: 244.8

04/09/02	12:27:39 off 12:29:28 on	FPA 1: 244.5 FPA 2: 244.9 FPA 3: 244.6
12/09/02	~01:41 - 01:43:30	FPA 4: 244.7 FPA 1: ~ 305 FPA 2: ~ 247 FPA 3: ~ 310
12/09/02	01:43:30 off 10:36:20 on	FPA 4: ~ 247 FPA 1: 272.7 FPA 2: 273.5 FPA 3: 273.2
14/09/02	10:33:45 off 10:35:35 on	FPA 4: 273.6 FPA 1: 244.5 FPA 2: 244.9 FPA 3: 244.6
24/09/02	12:01:11 off 12:03:00 on	FPA 4: 244.7 FPA 1: 244.6 FPA 2: 245.0 FPA 3: 244.8
04/10/02	10:07:18 off 10:09:07 on	FPA 4: 244.9 FPA 1: 244.5 FPA 2: 245.0 FPA 3: 244.8
14/10/02	11:34:39 off 11:36:28 on	FPA 4: 244.8 FPA 1: 244.7 FPA 2: 245.1 FPA 3: 245.0
24/10/02	09:40:43 off 09:42:33 on	FPA 4: 245.0 FPA 1: 244.9 FPA 2: 245.2 FPA 3: 245.1
04/11/02	10:36:24 off 10:38:13 on	FPA 4: 245.1 FPA 1: 244.6 FPA 2: 245.0 FPA 3: 244.9 FPA 4: 245.0

10/11/02	09:07:47 off 09:09:38 on	FPA 1: 244.8 FPA 2: 245.3 FPA 3: 245.0
14/11/02	12:03:25 off 12:05:15 on	FPA 4: 245.1 FPA 1: 245.0 FPA 2: 245.3 FPA 3: 245.1
15/11/02	06:30:06 off 06:31:57 on	FPA 4: 245.1 FPA 1: 244.7 FPA 2: 245.2 FPA 3: 245.1
18-20/11/02	18:47:29 (18/11/02) off 01:11:09 (20/11/02) on	FPA 4: 245.1 FPA 1: 266.8 FPA 2: 267.7 FPA 3: 267.4
24/11/02	10:09:10 off 10:11:00 on	FPA 4: 267.7 FPA 1: 245.1 FPA 2: 244.9 FPA 3: 245.1
04/12/02	11:36:00 off 11:37:49 on	FPA 4: 245.3 FPA 1: 245.1 FPA 2: 245.5 FPA 3: 245.3
14/12/02	09:41:24 off 09:43:13 on	FPA 4: 245.2 FPA 1: 245.0 FPA 2: 245.5 FPA 3: 245.0
24/12/02	11:07:46 off 11:09:35 on	FPA 4: 245.2 FPA 1: 245.0 FPA 2: 245.5 FPA 3: 245.2 FPA 4: 245.4

list of datagaps due to anomalies or special GOME instrument operations: (For detailed information see monthly/weekly performance)

Date	Orbit	duration (GOME off/start of nominal operations)	reason
04/01/02	35074	09:52:44 - 09:54:20	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
14/01/02	35218	11:18:40 - 11:20:15	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
24/01/02	35362	12:44:17 - 12:45:54	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)

04/02/02	35518	10:16:50 - 10:18:27	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
14/02/02	35663	11:42:01 - 11:43:37	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
24/02/02	35804	09:45:54 - 09:47:30	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
04/03/02	35920	12:14:22 - 12:15:58	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
07/03/02	35959	04:26:50 - 06:08:19	PS orbit missing
08-21/03/02	35972 - 36161	02:14:59 (08/03/02) - 09:01:07 (21/03/02)	no data due to an ERS2 on-board anomaly all payload instruments are unavailable (see unavailability fax ER2-UNA-2002/005)
24/03/02	35206	11:42:59 - 11:44:35	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
04/04/02	36364	12:36:25 - 12:38:02	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
11/04/02	36458-36463	02:18:44 - 11:19:46	GOME unavailability due to an emergency switch-down of ATSR (see ER2-UNA - 2002/016)
14/04/02	36506	10:40:19 - 10:41:55	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
15/04/02	36518 - 19	07:32:10 - 09:14:59	GOME unavailability due to an ATSR switch-down for IRR Reset (see ER2-UNA - 2002/018)
19-20/04/02	36586 - 593	22:06:51 (19/04/02) - 11:35:54 (20/04/02)	GOME data gap due to IDHT switch-down (see ER2-UNA - 2002/020-021)
24/04/02	36650	12:05:33 - 12:07:09	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
04/05/02	36792	10:09:42 - 10:11:18	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
14/05/02	36936	11:35:07 - 11:36:44	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
20/05/02	37026	17:34:04 - 19:00:24	gap at KS
24/05/02	37078	09:39:34 - 09:41:11	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
02/06/02	37203-204	00:24:08 - 03:51:39	GS data gap (due to antenna problem)
04/06/02	37232	02:49:28 - 04:12:42	GS data gap (due to antenna problem)
04/06/02	37236	10:33:39 - 10:35:16	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
14/06/02	37380	11:59:43 - 12:01:19	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
24/06/02	37522	10:04:42 - 10:06:18	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
30/06/02	37605	04:11:32 - 05:54:32	PS orbit missing
04/07/02	37666	11:31:01 - 11:32:39	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
10/07/02	37751	10:02:05 - 10:03:42	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) to cure the GOME anomaly
14/07/02	37808	09:36:25 - 09:38:02	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
19/07/02	37883-86	14:54:10 - 20:23:25	data gap at KS
19/07/02	37886	20:23:25 - 20:25:02	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
24/07/02	37952	11:03:13 - 11:04:50	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
14/08/02	38252	10:04:35 - 10:06:10	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
16/08/02	38278	04:33:52 - 06:17:06	PS orbit missing
24/08/02	38396	11:31:46 - 11:33:23	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
04/09/02	38554	12:27:39 - 12:29:15	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
11/09/02	38656	14:34:13 - 16:12:18	GOME unavailability due to payload synchronization. (See ref. ER2-UNA-2002/043)
12/09/02	38662-666	01:43:30 - 09:00:27	GOME unavailability due to FPA-I temperatures out of limit (see ER2-UNA - 2002/044/044A)
14/09/02	38696	10:33:45 - 10:35:22	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
20/09/02	38780	06:17:11 - 08:14:32	KS orbit missing
24/09/02	38840	12:01:11 - 12:02:47	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
04/10/02	38982	12:01:11 - 12:02:47	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
10/10/02	39070	12:45:17 - 14:22:59	KS orbit missing
14/10/02	39126	11:34:39 - 11:36:15	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
24/10/02	39268	09:40:43 - 09:42:20	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
02/11/02	39399	12:22:46 - 14:00:33	KS orbit missing

04/11/02	39426	10:36:24 - 10:38:01	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
10/11/02	39511	09:07:47 - 09:09:24	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) (usually only planned for days 04, 14, 24 each month)
14/11/02	39571	12:03:25 - 12:05:01	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
15/11/02	39581	06:30:06 - 06:31:43	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) (usually only planned for days 04, 14, 24 each month)
18-19/11/02	39631 - 646	18:48:27 (18/11/02) - 21:37:12 (19/11/02)	due to the LEONIDS storm the IDHT has been turned in stand-by (see unavailability fax ER2-UNA-2002/048)
24/11/02	39712	10:09:10 - 10:10:46	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
04/12/02	39856	11:36:00 - 11:37:36	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
06/12/02	39880	02:35:11 - 03:50:50	gap at GS
09-10/12/02	39934 -39938	21:12:49 (09/12/02) - 04:58:12 (10/12/02)	due to an on-board anomaly the IDHT was in stand-by (see ER2-UNA-2002/053 + /054)
14/12/02	39998	09:41:24 - 09:43:00	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)
20/12/02	40080	01:56:30 - 03:21:30	data gap due to IDHT failure (see ER2-UNA-2002/056)
20/12/02	40081	03:34:51 - 05:04:16	data gap due to IDHT failure (see ER2-UNA-2002/056)
20/12/02	40082	05:17:31 - 07:03:58	data gap due to IDHT failure (see ER2-UNA-2002/056)
20/12/02	40083	07:12:13 - 08:43:00	data gap due to IDHT failure (see ER2-UNA-2002/056)
20/12/02	40083 - 086	08:53:38 - 13:41:05	data gap due to IDHT failure (see ER2-UNA-2002/056)
20/12/02	40087	13:52:11 - 15:19:21	data gap due to IDHT failure (see ER2-UNA-2002/056)
		15:22:04 - 15:30:03	
24/12/02	40142	11:07:46 - 11:09:23	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag)

Timeline Interruption (operations in static nadir view):

Date	Orbit No.	duration	reason
03/02/02	35505	11:38:43 - 12:55:09	ESOC unavailability fax ER2-UNA-2002/003; due to an ERS-2 on-board anomaly the GOME timeline was stopped
07/02/02	35563	12:42:40 - 14:09:29	ESOC unavailability fax ER2-UNA-2002/004; due to an RA Emergency switch down GOME TML2 stopped
26/03/02	36239	17:50:08 - 19:28:30	ESOC unavailability fax ER2-UNA-2002/011; due to an ERS-2 on-board anomaly the GOME timeline was stopped
27/03/02	36253	17:22:57 - 18:57:07	ESOC unavailability fax ER2-UNA-2002/013; due to an ERS-2 on-board anomaly the GOME timeline was stopped
20/04/02	36593	11:36:23 - 12:58:21	ESOC unavailability fax ER2-UNA-2002/021; due to an IDHT switch down GOME timeline was stopped
26/04/02	36678	10:17:12 - 11:28:42	ESOC unavailability fax ER2-UNA-2002/023; GOME timeline was stopped
19/05/02	37012	~18:00 - ~19:40	GOME timeline was interrupted, operations in Nadir Static View
20/05/02	37025	~16:00 - ~17:40	GOME timeline was interrupted, operations in Nadir Static View
14/06/02	37384	17:39 - 19:08	GOME timeline was interrupted, operations in Nadir Static View (see ER-UNA-2002-035)
03/07/02	37656	17:45:21 - 19:11:42	GOME timeline was interrupted, operations in Nadir Static View (see ER-UNA-2002-037)
11/09/02	38655	14:31:40 - 14:34:13	GOME timeline3 was interrupted, operations in Nadir Static View (see ER-UNA-2002-043)
16/10/02	39155	11:11:16 - 12:50:08	ESOC unavailability fax ER2-UNA-2002/047; due to a RA emergency switch down the GOME timeline was stopped
16/10/02	39156	12:50:51 - 14:26:02	ESOC unavailability fax ER2-UNA-2002/047; due to a RA emergency switch down the GOME timeline was stopped

Narrow Swath Timeline GMNNOT41

Date	Orbit No.	Duration
04-05/01/02	35076 - 092	~12:00 (04/01/02) - ~14:30 (05/01/02)
14-15/01/02	35220 - 233	~13:00 (14/01/02) - ~14:30 (15/01/02)
24-25/01/02	35364 - 377	~14:30 (24/01/02) - ~12:00 (25/01/02)
04-05/02/02	35520 - 533	~12:00 (04/02/02) - ~10:00 (05/02/02)
14-15/02/02	35664 - 677	~14:00 (14/02/02) - ~11:30 (15/02/02)
24-25/02/02	35806 - 821	~12:00 (24/02/02) - ~12:30 (25/02/02)
04-05/03/02	35922 - 935	~14:00 (04/03/02) - ~12:15 (05/03/02)
24-25/03/02	36208 - 221	~14:00 (24/03/02) - ~11:30 (25/03/02)
04-05/04/02	36366 - 379	~15:00 (04/04/02) - ~12:00 (05/04/02)
14-15/04/02	36508 - 518	~13:00 (14/04/02) - ~07:30 (15/04/02)
24-25/04/02	36652 - 665	~14:00 (24/04/02) - ~12:00 (25/04/02)
04-05/05/02	36794 - 807	~12:00 (04/05/02) - ~10:00 (05/05/02)
14-15/05/02	36938 - 951	~14:00 (14/05/02) - ~11:30 (15/05/02)
24-25/05/02	37080 - 095	~12:00 (24/05/02) - ~12:30 (25/05/02)
04-05/06/02	37238 - 252	~13:00 (04/06/02) - ~12:00 (05/06/02)
14-15/06/02	37382 - 395	~14:00 (14/06/02) - ~12:00 (15/06/02)
24-25/06/02	37524 - 537	~12:00 (24/06/02) - ~10:00 (25/06/02)
04-05/07/02	37668 - 681	~13:30 (04/07/02) --11:00 (05/07/02)
14-15/07/02	37810 - 825	~12:00 (14/07/02) --13:00 (15/07/02)
24-25/07/02	37954 - 967	~13:30 (24/07/02) --11:00 (25/07/02)
04-05/08/02	38111 - 125	no Narrow Swath timeline and no switch-off in time-tag executed due to an operational error
14-15/08/02	38254 - 267	~12:30 (14/08/02) --10:00 (15/08/02)
24-25/08/02	38398 - 411	~14:00 (24/08/02) --11:30 (25/08/02)
04-05/09/02	38556 - 569	~14:30 (04/09/02) --12:00 (05/09/02)
14-15/09/02	38698 - 712	~12:30 (14/09/02) --12:00 (15/09/02)
24-25/09/02	38842 - 38855	~14:15 (24/09/02) --12:00 (25/09/02)
04-05/10/02	38984 - 38997	~12:15 (04/10/02) --10:15 (05/10/02)
14-15/10/02	39128 - 39141	~14:00 (14/10/02) --11:30 (15/10/02)
24-25/10/02	39270 - 39285	~12:00 (24/10/02) --13:00 (25/10/02)
04-05/11/02	39428 - 39441	~12:30 (04/11/02) --10:00 (05/11/02)
14-15/11/02	39572 - 39585	~14:00 (14/11/02) --12:00 (15/11/02)
24-25/11/02	39714 - 39727	~12:00 (24/11/02) --10:00 (25/11/02)
04-05/12/02	39858 - 39871	~14:00 (04/12/02) --11:30 (05/12/02)
14-15/12/02	40000 - 40015	~12:00 (14/12/02) --12:30 (15/12/02)
24-25/12/02	40144 - 40157	~13:00 (24/12/02) --11:00 (25/12/02)

Commanding Problems - Incorrect Timelines Executions: none

Moon Measurements

Date	reason	remark
31/07/02	moon measurements performed during Orbits 38048 - 054	moon measurements: 04:24:59.22, 05:30:41.62, 07:11:18.23, 08:51:54.83, 10:32:31.44, 12:13:08.04, 13:53:44.65 (the ones at 05:30:41.62, 07:11:18.23, were not successful)
	duration: 04:20 - 14:45	

Lamp Failures

Date	reason	remark
28/08 /02	Lamp Failure (no. 50) Orbit 38459	Lamp Failure set, the calibration lamp voltage reached only a value of ~160 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 21:15:37 - 21:34:13)
28/10 /02	Lamp Failure (no. 51) Orbit 39329	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 14:53:55 - 15:03:35)
28/10 /02	Lamp Failure (no. 52) Orbit 39329	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 15:18:55 - 15:28:35)
28/10 /02	Lamp Failure (no. 53) Orbit 39329	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 15:36:55 - 15:46:34)
28/10 /02	Lamp Failure (no. 54) Orbit 39329	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 16:03:22 - 16:21:57)
28/10 /02	Lamp Failure (no. 55) Orbit 39330	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 16:34:31 - 16:44:12)
28/10 /02	Lamp Failure (no. 56) Orbit 39330	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 16:59:30 - 17:09:14)
28/10 /02	Lamp Failure (no. 57) Orbit 39330	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 17:17:30 - 17:27:11)
28/10 /02	Lamp Failure (no. 58) Orbit 39330	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 17:43:57 - 18:02:35)
28/10 /02	Lamp Failure (no. 59) Orbit 39331	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 18:15:06 - 18:24:50)
28/10 /02	Lamp Failure (no. 60) Orbit 39331	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 18:40:07 - 18:49:50)
28/10 /02	Lamp Failure (no. 61) Orbit 39331	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 18:58:07 - 19:07:47)
28/10 /02	Lamp Failure (no. 62) Orbit 39331	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 19:24:34 - 19:43:12)
28/10 /02	Lamp Failure (no. 63) Orbit 39332	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 19:55:43 - 20:05:27)
28/10 /02	Lamp Failure (no. 64) Orbit 39332	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 20:20:43 - 20:30:25)
28/10 /02	Lamp Failure (no. 65) Orbit 39332	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 20:38:42 - 20:48:24)
28/10 /02	Lamp Failure (no. 66) Orbit 39332	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 21:05:11 - 21:23:48)
20/11 /02	Lamp Failure (no. 67) Orbit 39650	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V instead of nominally ~197 V, the lamp calibr. interrupted (lamp failure flag set from 01:09:36 - 01:11:08)
28/11 /02	Lamp Failure (no. 68-87) orbits 39772-76	all lamp sequences of the 5 monthly calibration orbits went into Lamp Failures, after 10-12 sec, reaching each only a value of ~181V

Other Events

Date	Orbit	remark
21/03 /02 -	36164 -	GOME North Polar View operations
04/05 /02	36792	

performance of moon measurements not nominal due to ERS2 mispointing:

31/07 38048 large fluctuation of maximum intensity (analysed for PMD 2 readouts) per calibration; max intensities of the 7 measurement sets vary between 0 and 125 BU (dark current offset corrected values) - in
/02 - 054 nominal cases the values were ~200 BU (e.g. 15/01/2001); orbits with 0 increase were 38049, 38050;

only parts of the lunar disks have probably been seen by GOME

05/09
- 27 38573
/10 -
/2002 39307

GOME South Polar View operations