ANOMALIES (01.01.2001 - 31.12.2001)
listed are:

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
26/02/2001	on-board software problem caused anomaly: loss of data between 01:37:54 - 14:59:38 cured with switch-off/on in time-tag
27/09 - 04/10/2001	on-board software problem (bitflips in address 1082B in E2PROMCOPY) caused anomaly: Level 0: erroneous readouts for science data channel III cured with switch-off/on in time-tag day 04/10
15 - 16/10/2001	on-board software problem (orbits 33918 - 33930): - detector temperatures values at ~268 K instead nominal ~235 K - scan mirror position set 1, set to 261.8 deg during dark measurements and parts of nominal scan measurements - scan mirror pos. not set to polar view mode - scan mirror temperature is about ~2 K higher than nominal (~285K instead of ~283K) - peltier output data for channels I-IV value -8419V contagiously (instead nominally ~1.0V) cured with switch-off/on in time-tag day 16/10
17-18/12/2001	on-board software problem caused anomaly (orbits 34815 - 34832) Level 0: no setting of co-adding flags no setting of science dump flags decrease of intensity of pixel readouts channel 2 and 4 cured with switch-off/on in time-tag day 18/12

patches of the on-board software: none

cooler switchings:

Date	coolers off/on	maximum detector warm up temperature [Kelvin]
04/01/01	11:06:26 off 11:08:16 on	FPA 1: 244.8 FPA 2: 245.1 FPA 3: 244.8 FPA 4: 245.1
17/01/01 - 08/02/01	19:52:01 (17/01/01) off 10:03:07 (08/02/2001) on	FPA 1: 275.4 FPA 2: 276.2 FPA 3: 275.5 FPA 4: 275.8
14/02/01	12:55:38 off 12:57:28 on	FPA 1: 244.7 FPA 2: 245.1 FPA 3: 244.8 FPA 4: 245.1
24/02/01	10:59:42 off 11:01:31 on	FPA 1: 245.1 FPA 2: 245.3 FPA 3: 245.0 FPA 4: 245.2
26/02/01	~14:58:30 off 14:59:38 on	FPA 1: 244.2 FPA 2: 244.7 FPA 3: 244.5 FPA 4: 244.6
04/03/01	10:07:03 off 10:08:52 on	FPA 1: 244.6 FPA 2: 245.2 FPA 3: 244.8 FPA 4: 244.9
14/03/01	11:32:01 off 11:33:50 on	FPA 1: 244.4 FPA 2: 244.8 FPA 3: 244.5 FPA 4: 244.7
17/03/01	12:47:51 off 17:05:22 on	FPA 1: 263.7 FPA 2: 264.2 FPA 3: 264.0 FPA 4: 264.5

17/03/01	20:26:32 off 20:40:11 on	FPA 1: 259.0 FPA 2: 258.9 FPA 3: 258.8 FPA 4: 259.0
24/03/01	09:35:40 off 09:37:30 on	FPA 1: 244.6 FPA 2: 245.0 FPA 3: 244.5 FPA 4: 244.8
04/04/01	10:28:33 off 10:30:22 on	FPA 1: 244.4 FPA 2: 244.8 FPA 3: 244.5 FPA 4: 244.9
14/04/01	11:53:44 off 11:55:34 on	FPA 1: 244.5 FPA 2: 244.9 FPA 3: 244.6 FPA 4: 244.7
24/04/01	09:57:49 off 09:59:39 on	FPA 1: 244.3 FPA 2: 244.7 FPA 3: 244.4 FPA 4: 244.6
04/05/01	11:23:03 off 11:24:54 on	FPA 1: 244.3 FPA 2: 244.8 FPA 3: 244.6 FPA 4: 244.8
14/05/01	09:27:10 off 09:28:59 on	FPA 1: 244.6 FPA 2: 245.1 FPA 3: 244.6 FPA 4: 244.8
21-24/05/01	18:12:29 (21/05/01) off 13:13:40 (24/05/01) on	FPA 1: 264.5 FPA 2: 265.3 FPA 3: 265.1 FPA 4: 265.4
14/06/01	09:51:23 off 09:53:12 on	FPA 1: 244.7 FPA 2: 245.0 FPA 3: 244.8 FPA 4: 245.0

24/06/01	11:17:30 off 11:19:20 on	FPA 1: 244.7 FPA 2: 245.2 FPA 3: 244.8 FPA 4: 244.8
04/07/01	12:43:50 off 12:45:40 on	FPA 1: 244.4 FPA 2: 244.7 FPA 3: 244.4 FPA 4: 244.7
14/07/01	10:49:11 off 10:51:00 on	FPA 1: 244.3 FPA 2: 244.9 FPA 3: 244.7 FPA 4: 244.8
24/07/01	12:15:53 off 12:17:42 on	FPA 1: 244.6 FPA 2: 244.9 FPA 3: 244.7 FPA 4: 244.7
04/08/01	09:50:03 off 09:51:52 on	FPA 1: 244.5 FPA 2: 244.9 FPA 3: 244.5 FPA 4: 244.9
14/08/01	11:17:03 off 11:18:53 on	FPA 1: 244.3 FPA 2: 245.0 FPA 3: 244.7 FPA 4: 244.7
24/08/01	12:44:12 off 12:46:01 on	FPA 1: 244.4 FPA 2: 245.0 FPA 3: 244.5 FPA 4: 244.8
03/09/01	08:14:09 off 16:32:12 on	FPA 1: 273.2 FPA 2: 273.9 FPA 3: 273.8 FPA 4: 274.0
04/09/01	10:18:43 off 10:20:33 on	FPA 1: 243.9 FPA 2: 244.2 FPA 3: 244.0 FPA 4: 244.0

14/09/01	for ~1.5 min. at ~11:45	FPA 1: ~244 FPA 2: ~244 FPA 3: ~244 FPA 4: ~244
24/09/01	09:52:06 off 09:53:56 on	exact values cannot be analysed due to data gap
04/10/01	11:19:24 off 11:21:14 on	FPA 1: 244.5 FPA 2: 244.9 FPA 3: 244.8 FPA 4: 244.8
14/10/01	12:46:41 off 12:48:30 on	FPA 1: 245.0 FPA 2: 245.7 FPA 3: 245.4 FPA 4: 245.4
15-16/10/01	14:59:47 (15/10) start 10:27:41 stop	FPA 1: 244.8 FPA 2: 245.1 FPA 3: 244.9 FPA 4: 244.9
16/10/01	10:25:51 off 10:27:41 on	FPA 1: 267.8 FPA 2: 267.9 FPA 3: 267.5 FPA 4: 268.1
24/10/01	10:52:40 off 10:54:29 on	FPA 1: 266.8 FPA 2: 266.9 FPA 3: 266.5 FPA 4: 267.0
02/11/01	09:26:25 off 13:17:51 on	FPA 1: 244.6 FPA 2: 245.1 FPA 3: 245.0 FPA 4: 245.0
04/11/01	11:48:10 off 11:50:00 on	FPA 1: 277.3 FPA 2: 278.2 FPA 3: 277.8 FPA 4: 278.1
		FPA 1: 244.5 FPA 2: 245.1 FPA 3: 244.7 FPA 4: 244.9

14/11/01	09:53:55 off 09:55:45 on	FPA 1: 244.8 FPA 2: 245.4 FPA 3: 245.1 FPA 4: 245.1
17-19/11/01	17:16:46(17/11/01) off 16:19:24(19/11/01) on	FPA 1: 265.7 FPA 2: 266.4 FPA 3: 266.1 FPA 4: 266.5
24/11/01	11:20:47 off 11:22:37 on	FPA 1: 244.9 FPA 2: 245.3 FPA 3: 245.2 FPA 4: 245.1
27-28/11/01	08:38:57(27/11/01) off 16:37:01(28/11/01) on	FPA 1: 268.2 FPA 2: 269.0 FPA 3: 268.7 FPA 4: 269.1
04/12/01	12:47:32 off 12:49:21 on	FPA 1: 244.9 FPA 2: 245.3 FPA 3: 245.2 FPA 4: 245.3
14/12/01	10:53:02 off 10:54:52 on	FPA 1: 245.2 FPA 2: 245.5 FPA 3: 245.3 FPA 4: 245.2
18/12/01	12:05:51 off 12:07:41 on	FPA 1: 245.1 FPA 2: 245.5 FPA 3: 245.2 FPA 4: 245.4
24/12/01	12:19:26 off 12:21:17 on	FPA 1: 245.2 FPA 2: 245.5 FPA 3: 245.2 FPA 4: 245.3

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
04/01/01	29850	11:06:26 - 11:08:02	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
17-31/01/2001	since 30042	19:52:01 (17/01/01) - 00:00:00 (31/01/01)	no data due to an ERS2 on-board anomaly, Payload is switched off (see ER2-UNA 2001/006)
17/01-07/02/2001	30042 - 30339	19:52:01 (17/01/01) - 13:52:49 (07/02/01)	no data due to an ERS2 on-board anomaly, Payload is switched off (see ER2-UNA 2001/006)

14/02/01	30438	12:55:38 - 12:57:15	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
20/02/01	30522	09:23:20 - 10:18:37	data gap at KS due to an IDHT unavailabilty due to a RA table upload (see unavailabilty fax ER2-UNA-012)
20/02/01	30530	22:03:01 - 23:32:33	MS Orbit missing
24/02/01	30580	10:59:42 - 11:01:18	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
26/02/2001	30603 - 30611	01:37:54 - ~14:58:30	data gap due to instrument anomaly (loss of data)
26/02/2001	30611	~14:58:30 - 14:59:38	gap due to execution of GMN11 (switch-off/switch-on in time-tag) to cure instrument anomaly
28/02/2001	30640	14:35:55 - 16:14:02	KS Orbit missing
04/03/01	30694	10:07:03 - 10:08:39	gap due to execution of GMN11 (switch-off/switch-on in time-tag) as planned
14/03/2001	30838	11:32:01 - 11:33:38	gap due to execution of GMN11 (switch-off/switch-on in time-tag) as planned
17/03/2001	30882-83	12:47:51 - 15:37:32	GOME unavailabilty, (see ER2-UNA-2001/014)
24/03/01	30980	09:35:40 - 09:37:17	gap due to execution of GMN11 (switch-off/switch-on in time-tag) as planned
24-25/03/01	30989	23:27 (24/03/01) - 01:13 (25/03/01)	gap at GS downtime due to electrical work
04/04/01	31138	10:28:33 - 10:30:09	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
14/04/01	31282	11:53:44 - 11:55:20	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/04/01	31424	09:57:49 - 09:59:25	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
04/05/01	31568	11:23:03 - 11:24:40	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
14/05/01	31710	09:27:10 - 09:28:47	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
21-24/05/01	31816 - 31855	18:12:29 (21/05/01) - 11:39:38 (24/05/01)	GOME was off due to an ERS2-on-board anomaly (IT1 Memory protection error; platform in FAM2) (see unavailability fax ESOC ER2-UNA 2001/019)
14/06/01	32154	09:51:23 - 09:52:59	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) as planned
24/06/01	32298	11:17:30 - 11:19:07	gap at KS due to the execution of timeline GMN11 as planned
04/07/01	32442	12:43:50 - 12:45:27	gap at KS due to the execution of timeline GMN11 as planned
14/07/01	32442	10:49:11 - 10:50:47	gap at KS due to the execution of timeline GMN11 as planned
24/07/01	32728	12:15:53 - 12:17:29	gap at KS due to the execution of timeline GMN11 as planned
04/08/01	32884	09:50:03 - 09:51:40	gap at KS due to the execution of timeline GMN11 as planned
14/08/01	33028	11:17:03 - 11:18:40	gap at KS due to the execution of timeline GMN11 as planned
24/08/01	33172	12:44:12 - 12:45:49	gap at KS due to the execution of timeline GMN11 as planned
03/09/01	33313 - 33317	08:14:10 - 14:51:28	due to changes in the MPS the whole ERS2 Payload went in stand-by, i.e. GOME was switched off
04/09/01	33328	10:18:43 - 10:20:20	gap at KS due to the execution of timeline GMN11 as planned
14/09/01	33472	10:55:58 - 12:34:29	KS orbit missing (including data of GMN11 - operational switch-off, coolers-off)
24/09/01	33614	09:52:06 - 09:53:43	gap at KS due to the execution of timeline GMN11 as planned
04/10/01	33758	11:19:24 - 11:21:01	gap at KS due to the execution of timeline GMN11 as planned
11/10/01	33857-58	08:26:20 - 11:46:31	KS orbits missing, as link Kiruna Station-ESOC was interrupted
14/10/01	33902	12:46:41 - 12:48:17	gap at KS due to the execution of timeline GMN11 as planned
16/10/01	33929	10:25:51 - 10:27:28	gap at KS due to the execution of timeline GMN11 as planned
24/10/01	34044	10:52:40 - 10:54:16	gap at KS due to the execution of timeline GMN11 as planned
02/11/01	34172-73	09:26:25 - 11:48:21	gap due to RTM counter OOL GOME was switched off (see ER-UNA 2001/032)
04/11/01	34202	11:48:10 - 11:49:47	gap at KS due to the execution of timeline GMN11 as planned
14/11/01	34344	09:53:55 - 09:55:31	gap at KS due to the execution of timeline GMN11 as planned
17-19/11/01	34393 - 419	17:16:46(17/11/2001) - 14:29:16(19/11/2001)	due to the LEONIDS storm the IDHT has been turned in stand-by (see unavailability fax ER2-UNA-2001/034-035)
24/11/01	34488	11:20:47 - 11:22:23	gap at KS due to the execution of timeline GMN11 as planned
27-28/11/01	34530 - 548	08:38:57 (27/11/01) - 15:08:18 (28/11/01)	gap due to the Gyro Coarse Mode Commissioning the whole ERS-2 Payload was turned to stand-by (see ER-UNA-2001/037)

04/12/01	34632	12:47:32 - 12:49:11	gap at KS due to the execution of timeline GMN11 as planned
14/12/01	34774	10:53:02 - 10:54:39	gap at KS due to the execution of timeline GMN11 as planned
18/12/01	34832	12:05:51 - 12:07:28	gap at KS due to the execution of timeline GMN11 (switch-off/switch-on in time-tag) to cure GOME anomaly
24/12/01	34918	12:19:26 - 12:21:04	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
10/01/2001	29937	11:46:11 - 13:24:35	due to an ERS2 on-board anomaly GOME was in Nadir view due to a timeline interruption (see ER-UNA-2001/002)
10/01/2001	29938	13:30:05 - 15:05:12	due to an ERS2 on-board anomaly GOME was in Nadir view due to a timeline interruption (see ER-UNA-2001/002)
16/01/2001	30025	15:17:40 - 16:56:58	due to an ERS2 on-board anomaly GOME was in Nadir view due to a timeline interruption (see ER-UNA-2001/005)
16/02/01	30468	14:05:56 - 15:39:31	GOME in Nadir view due to timeline interruption due to an on-board anomaly (see ER2-UNA-2001/010)
25/02/01	30594/95	11:07:49 - 12:34:43	GOME in Nadir view due to timeline interruption
25/02/01	30596/97	14:20:38 - 15:55:57	GOME in Nadir view due to timeline interruption
02/04/01	31107	05:47:38 - ~07:00	GOME in Nadir view due to timeline interruption
20/04/01	31803	21:22:00 - 21:49:03	TML1 interruption: Instrument in nadir pointing view (see unavailabilty rep ER2-UNA-2000/017)
01/06/01	31972	17:25:39 - 18:50:20	timeline interruption: Instrument in nadir pointing view
13/10/01	33889	13:54:27 - 15:25:21	ESOC unavailability fax ER2-UNA-2001/029; due to an ERS-2 on-board anomaly (RA emergency switchdown) the GOME timeline was stopped
08/11/01	34264	20:06:05 - 20:12:13	ESOC unavailability fax ER2-UNA-2001/033; due to an ERS-2 on-board anomaly (RA emergency switchdown) the GOME timeline was stopped

Narrow Swath Timeline GMNNOT41

Date	Orbit No.	Duration
04-05/01/01	29851 - 865	~13:00 (04/01/01) - ~11:00 (05/01/01)
14-15/01/01		No Narrow Swath operations performed due to the execution of moon measurements
14-15/02/01	30440 - 453	~15:00 (14/02/01) - ~13:00 (15/02/01)
24-25/02/01	30582 - 595	~13:00 (24/02/01) - ~10:30 (25/02/01)
04-05/03/01	30696 - 709	~12:00 (04/03/01) - ~10:00 (05/03/01)
14-15/03/01	30840 - 853	~13:30 (14/03/01) - ~11:00 (15/03/01)
24-25/03/01	30983 - 998	~11:45 (24/03/01) - ~13:00 (25/03/01)
04-05/04/01	31140 - 54	~12:30 (04/04/01) - ~12:00 (05/04/01)
14-15/04/01	31284 - 97	~14:00 (14/04/01) - ~12:00 (15/04/01)
24-25/04/01	31426 - 41	~12:00 (24/04/01) - ~13:00 (25/04/01)
24-25/05/01		No Narrow Swath Timeline GMNNOT41 executed
04-05/06/01	32014 - 27	~14:00 (04/06/01) - ~11:30 (05/05/01)
14-15/06/01	32156 - 171	~12:00 (14/06/01) - ~13:00 (15/06/01)
24-25/06/01	32300 - 313	~13:30 (24/06/01) - ~11:00 (25/06/01)
04-05/07/01	32444 - 457	~15:00 (04/07/01) - ~12:30 (05/07/01)
14-15/07/01	32586 - 599	~13:00 (14/07/01) - ~10:30 (15/07/01)
24-25/07/01	32730 - 743	~14:00 (24/07/01) - ~12:00 (25/07/01)
04-05/08/01	32886 - 901	~12:00 (04/08/01) - ~13:00 (05/08/01)
14-15/08/01	33030 - 043	~13:30 (14/08/01) - ~11:00 (15/08/01)
24-25/08/01	33174 - 187	~14:30 (24/08/01) - ~12:30 (25/08/01)
04-05/09/01	33300 - 44	~12:30 (04/09/01) - ~11:30 (05/09/01)
14-15/09/01	33464 - 487	~14:00 (14/09/01) - ~12:00 (15/09/01)

24-25/09/01 33615 - 31	~12:00 (24/09/01) - ~13:00 (25/09/01)
04-05/10/01 33760 - 73	~13:45 (04/10/01) - ~11:00 (05/10/01)
14-15/10/01 33904 - 917	~15:00 (14/10/01) - ~12:30 (15/10/01)
24-25/10/01 34046 - 059	~13:00 (24/10/01) - ~10:30 (25/10/01)
04-05/11/01 34204 - 217	~14:00 (04/11/01) - ~11:30 (05/11/01)
14-15/11/01 34346 - 362	~12:00 (14/11/01) - ~14:30 (15/11/01)
24-25/11/01 34490 - 503	~13:30 (24/11/01) - ~11:00 (25/11/01)
04-05/12/01 34634 - 647	~15:00 (04/12/01) - ~12:00 (05/12/01)
14-15/12/01 34776 - 789	~13:00 (14/12/01) - ~10:30 (15/12/01)
24-25/12/01 34920 - 933	~14:30 (24/12/01) - ~12:00 (25/12/01)

Commanding Problems - Incorrect Timelines Executions: none

Moon Measurements

Date	reason	remark
15/01/2001	moon measurements performed during Orbits 30001- 005 duration: 00:30 - 07:30	moon measurements: 00:34:00.91, 02:05:08.96, 04:01:45.66, 05:44:47.77, 07:20:01
11/08/2001	moon measurements performed during Orbits 32980 - 985 duration: 01:30 - 11:30 measurements not nominal	moon measurements: 01:28:17.40, 04:17:36.42, 06:07:19.08, 09:19:20.24, 10:59:56.85 (the one at 07:38:43.64 was not successful) performance of moon measurements not nominal: large fluctuation of maximum intensity (analysed for PMD 2 readouts) per calibration; max intensities of the 7 measurement sets vary between 0 and 160 BU (dark current offset corrected values) - in nominal cases the values were ~200 BU (e.g. 15/01/2001); only parts of the lunar disks have probably been seen by GOME

Lamp Failures

Date	reason	remark
06/03/01	Lamp Failure (no. 30) Orbit 30724 start of sun calibration: 12:58:37.97	Lamp Failure set, calibration lamp voltage reached only a value of ~159.7 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 13:02:50 - 13:04:38)

07/03/01	Lamp Failure (no. 31) Orbit 30738 start of sun calibration: 12:26:52.44	Lamp Failure set, calibration lamp voltage reached only a value of ~160.4 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 12:31:05 - 12:32:49)
13/03/01	Lamp Failure (no. 32) Orbit 30824 start of sun calibration: 12:37:44.45	Lamp Failure set, calibration lamp voltage decreased suddenly from a value of ~197 V to a value ~160.4 (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 12:41:54 - 12:43:33)
20/03/01	Lamp Failure (no. 33) Orbit 30924 start of sun calibration: 12:16:44.28	Lamp Failure set, calibration lamp voltage reached only a value of ~160 (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 12:20:54 - 12:22:35)
29/03/01	Lamp Failure (no. 34) Orbit 31052 start of sun calibration: 10:52:10	Lamp Failure set, calibration lamp voltage reached only a value of ~160 (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:56:22 - 10:58:02)
06/05/01	Lamp Failure (no. 35) Orbit 31596 start of sun calibration: 10:54:02.27	Lamp Failure set, calibration lamp voltage reached only a value of ~160 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:58:14 - 11:00:02)
20/05/01	Lamp Failure (no. 36) Orbit 31796 start of sun calibration: 10:12:36.96	Lamp Failure set, calibration the lamp voltage decreased suddenly from the nominal value of ~197 V to a value of ~160.4 V, the lamp calibr. interrupted (lamp failure flag set from 10:16:51 - 10:18:32)

26/05/01	Lamp Failure (no. 37) Orbit 31882 start of sun calibration: 10:23:48.03	Lamp Failure set, calibration lamp voltage reached only a value of ~160 V (nominal ~197 V), lamp calibr. interrupted (lamp failure flag set from 10:28:01 - 10:29:48)
10/06/01	Lamp Failure (no. 38) Orbit 32098 start of sun calibration: 12:32:24.39	Lamp Failure set, calibration the lamp voltage decreased suddenly from the nominal value of ~197 V to a value of ~160.4 V, the lamp calibr. interrupted (lamp failure flag set from 12:36:36 - 12:38:18)
25/06/01	Lamp Failure (no. 39) Orbit 32312 start of sun calibration: 11:20:20.48	Lamp Failure set, the calibration lamp voltage reached only a value of ~160 V, the lamp calibr. interrupted (lamp failure flag set from 11:24:32 - 11:26:16)
12/07/01	Lamp Failure (no. 40) Orbit 32556 start of sun calibration: 12:26:41.04	Lamp Failure set, the calibration lamp voltage reached only a value of ~160 V, the lamp calibr. interrupted (lamp failure flag set from 12:30:56 - 12:32:35)
28/07/01	Lamp Failure (no. 41) Orbit 32788	Lamp Failure set during monthly calibration sequence, the calibration lamp voltage reached only a value of ~159 V, the lamp calibr. interrupted (lamp failure flag set from 16:57:49 - 17:16:23)
04/08/01	Lamp Failure (no. 42) Orbit 32884	Lamp Failure set, the calibration lamp voltage reached only a value of ~160 V, the lamp calibr. interrupted (lamp failure flag set from 10:28:30 - 10:30:14)
07/08/01	Lamp Failure (no. 43) Orbit 32928	Lamp Failure set, the calibration lamp voltage reached only a value of ~160 V, the lamp calibr. interrupted (lamp failure flag set from 12:15:06 - 12:16:46)

28/08/01	Lamp Failure (no. 44) Orbit 33234	Lamp Failure set during monthly calibration sequence, the calibration lamp voltage reached only a value of ~183 V, the lamp calibr. interrupted (lamp failure flag set from 20:47:22 - 21:05:59)
29/08/01	Lamp Failure (no. 45) Orbit 33242	Lamp Failure set, the calibration lamp voltage reached only a value of ~183 V, the lamp calibr. interrupted (lamp failure flag set from 10:45:02 - 10:46:45)
30/08/01	Lamp Failure (no. 46) Orbit 33256	Lamp Failure set, the calibration lamp voltage reached only a value of ~183 V, the lamp calibr. interrupted (lamp failure flag set from 10:13:31 - 10:15:19)
01/09/01	Lamp Failure (no. 47) Orbit 33286	Lamp Failure set, the calibration lamp voltage reached only a value of ~183 V, the lamp calibr. interrupted (lamp failure flag set from 12:31:42 - 12:33:23)
02/09/01	Lamp Failure (no. 48) Orbit 33300	Lamp Failure set, the calibration lamp voltage decreased from a value of ~205 initially to a value of ~183 V, the lamp calibr. interrupted (lamp failure flag set from 12:00:12 - 12:01:52)
03/09/01	Lamp Failure (no. 49) Orbit 33317	Lamp Failure set, the calibration lamp voltage reached only a value of ~181 V, the lamp calibr. interrupted (lamp failure flag set from 16:30:30 - 16:32:11)

Other Events

Date	Orbit	remark
07/02/01	30339 - 30350	GOME in Idle mode, no scanning operations
07/02/01 - 23/02/01	since 30339	data for internal use only, data quality under investigation
10/03/01	30775	GOME North Polar View operations activated
10/03/01 - 05/05/01	30775 - 31590	GOME North Polar View operations ended on day 05/05/2001; start of operations was day 10/03/2001
01/06/01	31969	solar calibration not performed, but lamp calibration nominally from 10:38:56 - 10:40:53
04/06/01		shutter was not opened, scan mirror not in position for sun calibration no instrument switch off in time-tag executed
05/07/01	32453	software version number LRDPF switched at KS from number 8500 to 8700 as planned,
05/09/01	33346	Polar View Timeline (GMNSPT31, GMNSPT32) operations started; scan amplitude of +/- 4.3 deg; the polar timeline is alternating with the nominal operational timeline with 960 km swath
06/09/01	33359	the performance of the daily calibration sequence was changed; NEW: only solar measurements are performed during the calibration sequence - the lamp measurements are not performed (after the recently very frequently occurred Lamp Failures)
16/10/01	33925	no co-adding flags set during one orbit --> - 02:13 - 03:47 integration time values mainly 60 sec instead of alternating with 60 sec and 10 sec - scan mirror during 02:13 - 03:47 in position of 261.8 deg contiguously
05/09 - 26/10/2001	33347 - 34080	GOME South Polar View operations