
Summary of Anomalies:

- 1 - GS dump orbit 33941 EGOI small data gaps 04:46:42 - 04:47:54
04:55:45 - 04:56:06

- 2 - PS dump orbit 33942 EGOI small data gaps 05:23:47 - 05:24:35
06:29:59 - 06:30:19

- 3 - KS dump orbit 33947 EGOI small data gap 14:35:38 - 14:36:49

- 4 - MS dump orbit 33952 EGOI few small data gaps 22:13:50 - 22:13:53
22:13:57 - 22:14:00
22:14:09 - 22:14:12
22:14:18 - 22:14:21
22:14:27 - 22:14:29
22:14:30 - 22:16:14
22:16:17 - 22:16:20
23:13:14 - 23:13:22
23:13:23 - 23:13:25

5 - Memory Dump (change to the day before):

- address 152EB in E2PROMCOPY changed from template value FF to actual value BF (first occurrence of a change in this address)
- the 3964 changes in addresses found in E2PROM area the day before, disappeared, 0 changes in E2PROM found day 17/10/2001
- 2109 differences in addresses in PROMCOPY area found (all addresses between F000 and F83F changed to the actual value BB, see below)

 GOME Daily Reports Analysis 17 Oct 2001

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Station ID                    >>GS dump orbit 33941 EGOI small data gap
                              04:46:42 - 04:47:54
                              PS dump orbit 33942 EGOI small data gaps
                                  05:23:47 - 05:24:35
                                  06:29:59 - 06:30:19
                              KS dump orbit 33947 EGOI small data gap
                              14:35:38 - 14:36:49
                              MS dump orbit 33952 EGOI few small data
                              gaps 22:13:50 - 22:13:53
                                  22:13:57 - 22:14:00
                                  22:14:09 - 22:14:12
                                  22:14:18 - 22:14:21
                                  22:14:27 - 22:14:29
                                  22:14:30 - 22:16:14
                                  22:16:17 - 22:16:20
                                  23:13:14 - 23:13:22
                                  23:13:23 - 23:13:25
  
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MPH Product Confidence            OK
SPH Window Information            OK
Command Word Echo Summary        OK
Instrument Status 1A              OK
Instrument Status 1B              OK
Instrument Status 2                OK
Integration Times Channel 1        OK
Co-Adding and Cluster Mode Flags  OK
Integration Times Band 2A         OK
Integration Times Band 2B         OK
Integration Times Band 3          OK
Integration Times Band 4          OK
Scan Mirror Position              -GOME polar view timeline GMNSPT32 as planne
Polarisation Detectors            OK
FPA Temperatures A                OK
FPA Temperatures B                OK
Charge Amp Temperatures          OK
Other Temperatures A              OK
  
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DDHU Temperatures          OK
Optical Bench Temperatures OK
Other Temperatures B       OK
Calibr. Lamp and Instr. Status 3  >> Solar calibration performed
                                   in dump Orb. 33945
                                   start of sun calibration 11:46:24.02
                                   intensity of sun calibration:
                                   ~18300 BU ->PMD2 readouts analysed with ERGO;
                                   (note: due to seasonal effects nominal values
                                   range between ~16000 - ~19000 BU

Scan Mirror Motor Current   OK
Selected Temperature A      OK
Selected Temperature B      OK
Selected Temperature C      OK
Channel 1 Summation         OK
Channel 2 Summation         OK
Channel 3 Summation         OK
Channel 4 Summation         OK
Log pages                   OK
331/318 nm Uncal. Line Ratio OK
Uncal. PMDs as RGB signal   OK
780 nm Uncal. Intensity     OK

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GOME Memory Dump Check

17 Oct

2001

11987 differences found in RAM1 area
2109 differences found in PROMCOPY area

Address	Actual	Template
F000	BB	8B
F001	BB	55
F002	BB	83
F003	BB	EC
F004	BB	C
F005	BB	EC
F006	BB	57
F007	BB	56
F008	BB	2
F009	BB	9A
F00A	BB	69
F00B	BB	0
F00C	BB	C7
F00D	BB	F
F00E	BB	F4
F00F	BB	46
F010	BB	0
F011	BB	20
F012	BB	46
F013	BB	C7
F014	BB	0
F015	BB	F6
F016	BB	C4
F017	BB	0
F018	BB	F4
F019	BB	5E
.		
.		
.		
F832	BB	0
F833	BB	0
F834	BB	0
F835	BB	0
F836	BB	0
F837	BB	0
F838	BB	0
F839	BB	0

F83A BB 0
F83B BB 0
F83C BB 0
F83D BB 0
F83E BB 0
F83F BB 0

7 differences found in E2PROMCOPY area

Address	Actual	Template
12FDE	0	FF
12FDF	7	FF
13003	0	1
13007	0	1
1300B	1	10
152EB	BF	FF
17FFF	FD	FF

0 differences found in E2PROM area

0 differences found in RAM2 area

0 differences found in PROM area