
 Monthly Calibration from ~12:30 - ~21:00 (Orb.32785-789 at KS)

 Summary of Anomalies:

- 1 - !!! Lamp Failure no 41 occurred !!!
 Lamp Failure set in one orbit during monthly calibration sequence,
 calibration lamp voltage reached only a value of
 and 159 V (Orbit 32788) instead of nominally ~196 V,
 lampcal was performed 16:13:03 - 16:23:03 (nominal)
 16:31:03 - 16:41:04 (nominal)
 16:57:34 - 16:57:47 (Lamp Failure followed)
 17:20:08 - 17:30:12 (nominal)
 lamp failure flag 16:57:49 - 17:16:23

- 2 - KS dump Orb. 32784 EGOI many small gaps,
 08:09:18 - 09:18:44

- 3 - KS dump Orb. 32784 EGOI corrupted products
 08:21:43, 08:25:04, 08:25:05, 08:26:25, 08:56:47, 08:58:47, 08:58:53,
 09:01:01, 09:01:10, 09:01:13, 09:01:19, 09:01:22, 09:02:04

- 4 - calibration lamp instability
 dump Orb.32786
 current: 1 prd. 13.8 mA (nom.=~9.8mA)
 voltage: 1 prd. 260 V, 1 prd. 263 V (nom =~197 V)
 dump Orb.32787
 current: 1 prd. 5.4 mA (nom.=~9.8mA)
 voltage: 1 prd. 211 V (nom =~197 V)
 dump Orb.32788
 current: 1 prd. 4.2 mA (nom.=~9.8mA)
 voltage: 1 prd. 222 V (nom =~197 V)
 dump Orb.32789
 current: 1 prd. 9.1 mA, 1 prd 5.9mA (nom.=~9.8mA)
 dump Orb.32791
 current: 1 prd. 11.0 mA, 1 prd. 23.4 mA (nom.=~9.8mA)
 voltage: 1 prd. 224 V (nom =~197 V)

- 5 - Memory Dump (change to the day before):
 address 1300B in E2PROMCOPY changed from template value 10 to actual 1

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Station ID                >>KS dump Orb. 32784 EGOI many small gaps,
                           08:09:18 - 09:18:44
MPH Product Confidence    OK
SPH Window Information    OK
Command Word Echo Summary OK
Instrument Status 1A      OK
Instrument Status 1B      >>corrupted product at KS, dump Orb. 32784
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 >>corrupted product at KS, dump Orb. 32784
Integration Times Band 3 OK
Integration Times Band 4 OK
Scan Mirror Position      OK
Polarisation Detectors    OK
FPA Temperatures A       >>corrupted product at KS, dump Orb. 32784
FPA Temperatures B       >>corrupted product at KS, dump Orb. 32784
Charge Amp Temperatures  OK
Other Temperatures A     >>corrupted product at KS, dump Orb. 32784
DDHU Temperatures        >>corrupted product at KS, dump Orb. 32784
Optical Bench Temperatures OK
Other Temperatures B     OK
  
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Calibr. Lamp and Instr. Status 3 >>SOT33 performed in dump Orb. 32785
start of sun calibration 10:43:55.89
intensity of sun calibration:
~17800 BU ->PMD2 readouts analysed with ERGO;
(note: due to seasonal effects nominal values
range between ~16000 - ~19000 BU)

calibration lamp instability
see above

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

GOME Memory Dump Check

28 Jul

2001

8983 differences found in RAM1 area

0 differences found in PROMCOPY area

5 differences found in E2PROMCOPY area

Address Actual Template

12FDE 0 FF

12FDF 7 FF

13003 0 1

13007 0 1

1300B 1 10

0 differences found in E2PROM area

0 differences found in RAM2 area

0 differences found in PROM area