



 Monthly Calibration from ~12:30 - ~21:00 (Orb.34976-980 at KS)

Summary of Anomalies:

instrument info:

EGOI

1 - calibration lamp instability:

dump orbit 34977
 voltage: 1 prd. 205.2 (nom =~197 V) (prod of lamp ignition)
 1 prd. 203.8 (nom =~197 V) (prod of lamp ignition)
 1 prd. 203.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.1 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34978
 voltage: 1 prd. 203.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 206.7 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.0 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34979
 voltage: 1 prd. 205.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.4 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 203.0 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34980
 voltage: 1 prd. 204.6 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.9 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.6 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.9 (nom =~197 V) (prod of lamp ignition)
 dump orbit 34981
 voltage: 1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.2 (nom =~197 V) (prod of lamp ignition)
 1 prd. 205.3 (nom =~197 V) (prod of lamp ignition)
 1 prd. 204.4 (nom =~197 V) (prod of lamp ignition)

2 - 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	OK	
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	OK	
Polarisation Detectors	OK	
FPA Temperatures A	OK	
FPA Temperatures B	OK	
Charge Amp Temperatures	OK	
Other Temperatures A	OK	
DDHU Temperatures	OK	
Optical Bench Temperatures	OK	
Other Temperatures B	OK	
Calibr. Lamp and Instr. Status 3	>> Solar calibration performed	
	in dump Orb. 34975	
	start of sun calibration 10:47:00.98	
	intensity of sun calibration:	

~18620 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 Dec

2001

8868 differences found in RAM1 area

0 differences found in PROMCOPY area

5 differences found in E2PROMCOPY area

Address	Actual	Template
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12FDE	0	FF
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12FDF	7	FF
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13003	0	1
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13007	0	1
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1300B	1	10
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0 differences found in E2PROM area

0 differences found in RAM2 area

0 differences found in PROM area