

\*\*\*\*\*

Moon Calibration performed as planned  
 start in Orbit 38048, 04:20  
 end: Orbit 38054, 14:45

GOME in mooncal mode: |PMD readout- and intensity-increase during:

-----  
 GS dump Orb. 38049, 04:24:59 - 04:34:18 |incr. of intensity: ~04:28:21 - 04:30:35  
 PS dump Orb. 38050, 05:30:40 - 06:14:11 |incr. of intensity: NO INCREASE  
 KS dump Orb. 38051, 07:11:18 - 07:54:12 |incr. of intensity: NO INCREASE  
 KS dump Orb. 38052, 08:51:54 - 09:36:07 |incr. of intensity: ~09:27:28 - 09:29:58  
 KS dump Orb. 38053, 10:32:31 - 11:16:40 |incr. of intensity: ~11:07:28 - 11:09:37  
 KS dump Orb. 38054, 12:13:08 - 12:57:20 |incr. of intensity: ~12:47:05 - 12:48:53  
 KS dump Orb. 38055, 13:53:43 - 14:31:22 |incr. of intensity: ~14:26:50 - 14:27:52 (very small increase)

Lamp Calib. from 06:14:35 - 06:15:38 PS orbit 38050  
 Sun Calib. from 06:16:53 - 06:19:59 PS/KS orbit 38050/1

\*\*\*\*\*

\*\*\*\*\*

Summary of Anomalies:

instrument info

EGOI  
 1 - calibration lamp instability:  
 dump orbit 38050  
 voltage: 1 prd. 206.0 (nom ~197 V) (prod of lamp ignition)

2 - Memory Dump (change to the day before):  
 no dump info found in EGOC\_020731KSEP2468.E2

\*\*\*\*\*

-----  
 GOME Daily Reports Analysis            31 Jul            2002  
 -----

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. 38050 start of sun calibration 06:16:53.89 intensity of sun calibration: ~16870 BU ->PMD2 readouts analysed with ERGO; (note: due to seasonal effects nominal values range between ~16000 - ~19000 BU	
	calibration lamp instability (se 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 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

31 Jul

2002  
-----

no dump info found in EGOE\_020731KSEP2468.E2