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Summary of Anomalies:

instrument info

EGOI

1 - due to the Gyro Coarse Mode Commissioning the whole  
ERS-2 Payload was turned to standby (see ER-UNA-2001/037)

data gap: 08:38:57(27/11/01) - 15:08:18(28/11/01) dump Orb 34531-34549

occurrences of padded frames since instrument switch-on  
(due to ATSR/IRR not yet back to MPS)

solar calibration with warm detectors:start at 16:31:05.78 (T= 260K)

cooler switchings between 08:38:57(27/11/01) - 16:37:01(28/11/01)  
max warm up of detectors ~269K

back to MPS ~17:00

2 - calibration lamp instability:

dump orbit 34549/50

voltage:

first prd. 201 V (nom ~197 V) (prod of lamp ignition) (first sequence)

first prd. 198.5 V (nom ~197 V) (prod of lamp ignition) (2nd sequence)

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GOME Daily Reports Analysis            28 Nov            2001  
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|----------------------------------|--|
| Station ID                       | >>gap due to switch-off until 15:08:18,<br>d.o. 34549  |
| MPH Product Confidence           | OK   |
| SPH Window Information           | OK   |
| Command Word Echo Summary        | OK   |
| Instrument Status 1A             | OK   |
| Instrument Status 1B             | OK   |
| Instrument Status 2              | cooler off between<br>08:38:57(27/11/01) - 16:37:01(28/11/01)  |
| 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               | max warm up of detectors 268.2K, 269.0K  |
| FPA Temperatures B               | max warm up of detectors 268.7K, 269.1K  |
| Charge Amp Temperatures          | OKtemp out of range due to switch off  |
| Other Temperatures A             | temp out of range due to switch off  |
| DDHU Temperatures                | temp out of range due to switch off  |
| Optical Bench Temperatures       | temp out of range due to switch off  |
| Other Temperatures B             | temp out of range due to switch off  |
| Calibr. Lamp and Instr. Status 3 | >> Solar calibration performed<br>in dump Orb. 34420<br>start of sun calibration 16:13:27.79<br>intensity of sun calibration:<br>~18260 BU ->PMD2 readouts analysed with ERGO;<br>(note: due to seasonal effects nominal values<br>range between ~16000 - ~19000 BU<br>calibration lamp instability: see above |
| Scan Mirror Motor Current        | OK   |
| Selected Temperature A           | temp out of range due to switch off  |
| Selected Temperature B           | temp out of range due to switch off  |
| Selected Temperature C           | temp out of range due to switch off  |
| 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 >>occurrences of red spots due to padded  
frames due to ATSR/IRR not yet back to MPS

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GOME Memory Dump Check                    28 Nov                    2001  
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no data due to switch off