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Summary of Anomalies:

- 1 - due to an on-board anomaly all ERS2 payload instruments are switched off  
 (see ESOC unavailability fax ER2-UNA-2000/031 + /033)  
 no data for GOME between 16:32:53 (10/07/2000) - 09:28:45 (11/07/2000)  
 dump Orb. 27307- 27317
  
- 2 - GOME operations since switch-on:
  - a) during dump Orb. 27317-27321, 09:28 - ~16:00  
 -> Scan Mirror not active (position 261.8 Deg, Motor is off)  
 -> detector coolers are off  
 -> integration times all permanently at 0.093 sec  
 -> no co-adding flags set
  
  - b) during dump Orb. 27321-27323, ~16:00 - ~20:45  
 -> Scan Mirror and Motor switched on, Mirror in Nadir View position  
 -> detector coolers are on (until 20:45:28)  
 -> integration times all permanently at 0.093 sec
  
  - c) during ~20:45 - ~21:00  
 -> coolers off (20:45:28 - 20:59:08)  
 -> lamp/sun calibration performed (TST44), detector temp. ~258K
  
  - d) after ~21:00, MPS, nominal GOME operations
  
- 3 - HDDT flag set at MS, dump Orb. 27325  
 22:43:55 - 23:42:52
  
- 4 - Memory Dump (change to the day before):  
 no dump info in EGOC\_000711KSEP1622-23.E2;1 found

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Station ID           >>no data between dump Orb. 27307- 27317
                    16:32:53 (10/07/2000) - 09:28:45 (11/07/2000)
MPH Product Confidence >>HDDT flag set at MS, dump Orb. 27325
                    22:43:55 - 23:42:52
SPH Window Information OK
Command Word Echo Summary see summary
Instrument Status 1A see summary
Instrument Status 1B OK
Instrument Status 2 >>coolers off:
                    dump Orb. 27307-27320,
                    16:32:53(10/07/2000) - 16:03:03(11/07/2000)
                    dump Orb. 27323
                    20:45:28 - 20:59:08 (11/07/2000)
Integration Times Channel 1 >>set to 0.093 sec until ~20:45, nominal afterwards
Co-Adding and Cluster Mode Flags >>no flags set until ~20:45
Integration Times Band 2A >>set to 0.093 sec until ~20:45, nominal aft
Integration Times Band 2B >>set to 0.093 sec until ~20:45, nominal after
Integration Times Band 3 >>set to 0.093 sec until ~20:45, nominal after
Integration Times Band 4 >>set to 0.093 sec until ~20:45, nominal after
Scan Mirror Position OK
Polarisation Detectors OK
FPA Temperatures A >>temperatures out of range, max = ~270.0K
FPA Temperatures B >>temperatures out of range, max = ~270.0K
Charge Amp Temperatures >>temperatures out of range
Other Temperatures A >>temperatures out of range
DDHU Temperatures >>temperatures out of range
Optical Bench Temperatures >>temperatures out of range
Other Temperatures B >>temperatures out of range
Calibr. Lamp and Instr. Status 3 OK
Scan Mirror Motor Current OK
Selected Temperature A >>temperatures out of range
Selected Temperature B >>temperatures out of range
  
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Selected Temperature C >>temperatures out of range  
Channel 1 Summation >>low values  
Channel 2 Summation >>low values  
Channel 3 Summation >>low values  
Channel 4 Summation >>low values  
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 11 Jul 2000  
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no dump info in EGOC\_000711KSEP1622-23.E2;1 found