```
    **********************************************************************
       Monthly Calibration from ~12:00 - ~20:30 (Orb.36708-713 at KS)
       **********************************************************************
**********************************************************************************
Summary of Anomalies:
instrument info
EGOI 1 - calibration lamp instability:
    dump orbit 36709
    voltage: 1 prd. 204.6 (nom =~197 V) (prod of lamp ignition)
             1 prd. 205.0 (nom =~197 V) (prod of lamp ignition)
             1 prd. 205.0 (nom =~197 V) (prod of lamp ignition)
             1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
             1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
    dump orbit 36710
    voltage: 1 prd. 205.5 (nom =~197 V) (prod of lamp ignition)
             1 prd. 204.8 (nom =~197 V) (prod of lamp ignition)
             1 prd. 205.0 (nom =~197 V) (prod of lamp ignition)
             1 prd. 205.2 (nom =~197 V) (prod of lamp ignition)
    dump orbit 36711
    voltage: 1 prd. 204.8 (nom =~197 V) (prod of lamp ignition)
             1 prd. 204.7 (nom =~197 V) (prod of lamp ignition)
             1 prd. 204.8 (nom =~197 V) (prod of lamp ignition)
             1 prd. 205.0 (nom =~197 V) (prod of lamp ignition)
    dump orbit 36712
    voltage: 1 prd. 205.3 (nom =~197 V) (prod of lamp ignition)
             1 prd. 202.4 (nom =~197 V) (prod of lamp ignition)
             1 prd. 201.5 (nom =~197 V) (prod of lamp ignition)
             1 prod 202.4 (nom =~197 V) (prod of lamp ignition)
    dump orbit 36713
    voltage: 1 prd. 202.1 (nom =~197 V) (prod of lamp ignition)
             1 prd. 202.0 (nom =~197 V) (prod of lamp ignition)
             1 prd. 201.4 (nom =~197 V) (prod of lamp ignition)


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   GOME Daily Reports Analysis        28 Apr          2002
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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             -GOME polar viewline GMNNPT36 operated
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. 36707
                                   start of sun calibration 10:33:06.07
                                   intensity of sun calibration:
                                   ~17380 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 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 Apr              2002
--------------------------------------------------------------------------------
        8954 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
```