# Radiation – Conclusions and recommendations

**Highlight:**

- Established calibration procedures for MSI and BBR are proposed
- Importance of good communication with instrument providers
- Importance of continuous monitoring of instrument performances and calibration, and to be ready to adapt processing
- BBR design looks excellent, hope to avoid many of the GERB problems.
- …

**Recommendations:**

- More use of Invariant Calibration Targets: Rayleigh Calibration, Deep Convective Clouds, Sun Glint, SST, (Pseudo) Invariant Calibration Sites (PICS) – during all the mission lifetime
- Comparisons with other Satellite L1 products – agreement on procedures/protocols
- Use of moon calibration (looks difficult)
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**Further improvements and needs:**

- Possible improvements of Radiation Cal/Val activities
  - Establish/develop procedures for continuous monitoring of MSI and BBR L1 products
  - Procedure for spectral characterisation of MSI bands after launch should be developed
  - Publish data about ground calibration source (e.g. ground calibration source that should be close to “science” scenes).
- Need of access to housekeeping data data for instrument health analysis
- Funding not (yet) secured for several proposals or partners
- …

→ **discussion between ESA and PIs on instrumental data availability and applied procedures**