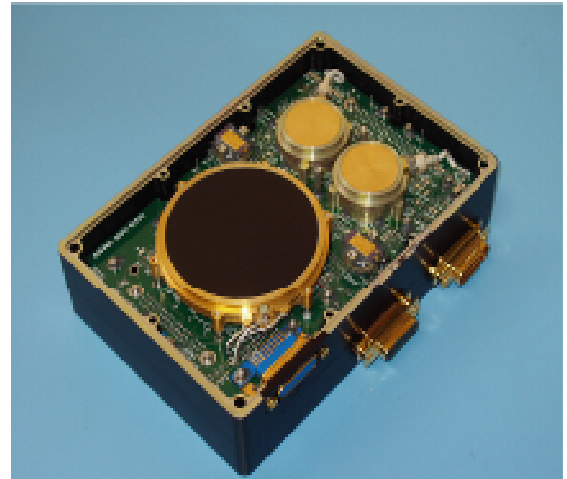
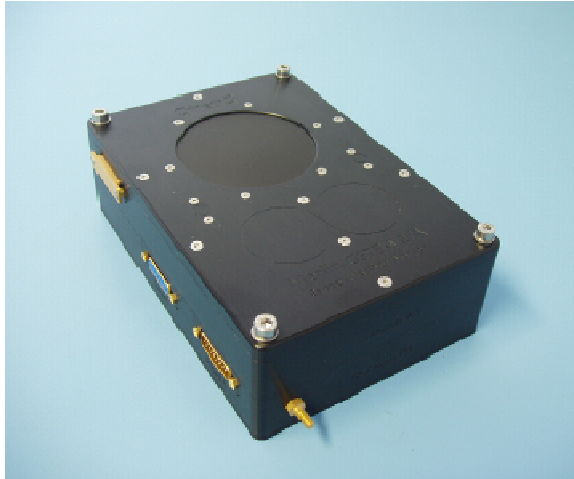


# MERLIN<sup>©</sup> Space Weather Monitor



Space Charge/TID/SEE  
Space Weather Hazard Monitor

## Space Micro Inc

(Merlin<sup>©</sup> Licensed from QinetiQ, UK)

*Space weather storms put satellites at risk of damage and outages. Space weather is very unpredictable) and hazard levels fluctuate from minute to minute as well as over longer timescales such as the 11-year solar cycle. Merlin<sup>©</sup> reduces risks for satellite owners, operators and insurers by providing local hazard awareness.*

*In the short term, clear, comprehensive local weather data gives much better information to satellite operators to make crucial decisions such as delaying non-urgent tasks and increasing staff alert levels. Faster diagnosis with more accurate data insures the best corrective measures are taken. Satellite lifetime can thus be properly estimated leading to potential life extension.*

*In the long term, Merlin<sup>©</sup> can provide satellite designers with clear evidence for planning improvements and modifications to future satellites.*

### **Heritage**

*Merlin<sup>©</sup> distills 15 years of flight experience from QinetiQ's CREDO & SURF series of scientific instruments. Merlin<sup>©</sup> is in orbit since 2005 on ESA's Galileo Testbed Satellite (GIOVE-A) and has been delivered to NASA for the "Living with a Star" Program.*

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