

INTEGRAL Mission Status

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- Platform (AOCS, Power, Thermal, OBDH) generally working smoothly.
- Instruments nominal most of the time, no major issues.
- Strong solar flares led to (partial) loss of observing time in April, May and September.
- 20th and 21st SPI annealings were successful.
- Since October, perigee altitude again outside of proton belts
⇒ reduced degradation of solar panels.
- Drift from reference orbit in fall, corrected by use of specific perigee passage attitudes.

- Ground Segment generally working very well.
- Sickness of multiple SPACONs led to interruption of INTEGRAL (and XMM) operations during night from 15 to 16 February. Only such incident ever.
- Sources of occasional interference for ground stations identified, some can be filtered, others (Russian & Chinese navigation satellites) not.
- Now using Kiruna as main station, use of alternative stations (e.g., Elfordstown, Ireland) did not work out.
- First tests of public internet between MOC and ISDC found some issues that need to be resolved still.
- Reduced manpower at SOC means less flexibility for urgent or special observations.