

GGSPS progress

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Purpose and scope

- GERB Ground Segment Processing System (GGSPS)
 - Receives L0 data from EUMETSAT
 - Archives & processes L0 & L1.5 science and eng products
- Current funding approx. 1.4 full time staff plus h/w
 - Until end Feb 2020 (or until end of GERB-4 operations)
- To cover
 - Daily processing operations and checks
 - System maintenance and upgrades
 - Product development and reprocessing

Recent development

- GERB-4 activation
- Stray light flagging based on angle rather than date-time
- Preparation for h/w migration and OS upgrade
 - Confirmation of product equivalence on old & new platforms
 - HDF5 version compatibility: upgrading 1.6.5 to 1.10.1
- Initial work on GERB-2 “IODC” processing changes
 - Handling of pointing errors (frequent, ageing mirror mechanism)
 - Special 564 step mode
- Preparation for GERB-1&2 Edition-2 reprocessing
 - Various s/w fixes, e.g. confidence flags, stray light flagging
 - Re-included data where s/w now handles anomalies
 - Awaiting new cal tables, otherwise ready to process

Future development

- New ops hardware planned for autumn 2018
- Edition 2 processing and QA
- Continue GERB-2 IODC processing updates
- Investigate possibility of separate cal per mirror face