ESA provides data freely for Research Users.

The GOCE Payload Data Ground Segment at ESA/ESRIN

- GOCE data is acquired at the ESA Satellite Station at Kiruna, Sweden.
- Payload and payload data are transferred to ESOC’s Flight Operations Segment, Germany.
- Payload data are sent to the PDGS facility at ESRIN, for level 1b generation, archiving and Users distribution.
- Level 1b are then distributed to the distributed HPF facility for level2 processing.
- Level 1b and Level 2 products are distributed from ESRIN to the Users community.

The GOCE PDGS at ESRIN integrates the Level-0 and Level-1b Processing Facilities, the Long Term Archive and the User Services

PDS: The main processing Facility for L0 and L1 products

- PDS breakdown and dataflow.
- L0 and L1b products are generated by the PDS/IPF
- L2 products are generated externally at HPF and then distributed through the PDS

CMF: Calibration and Monitoring Facility

- GOCE Instrument performance and L1b data quality are constantly monitored by the GOCE Team through this ad-hoc monitoring facility.

PMF: Performance Monitoring Facility

- The PMF monitors product generation and dissemination completeness and consistency, from data acquisition to processing and product delivery to end users.

LTA GOCE’s Long Term Archive

- All GOCE data, from Level 0 to Level 2 are permanently stored at the LTA facility in ESRIN

RPF: Reference Planning Facility

- Nominal Mission Planning and special recording requests are dealt with at ESRIN via the Reference Planning Facility.
- Planning generated at the RPF is distributed to PDS for command generation and uploading.

GOCE Web portal

- ESRIN hosts the main GOCE Web site under ESA’s main Earth Observation portal, at http://earth.esa.int/GOCE
- All relevant information to the GOCE Users are announced through this web site.
- GOCE Quality Control, User Tools and documentation can all be found here.

User Services and Data distribution

- ESA provides data freely for Research Users.
- User registration can be done conveniently through ESA EO User Services at: http://earth.esa.int
- The EO Help Desk team is available to all GOCE users: http://earth.esa.int/GOCE

GOCE data can be browsed and ordered through ESA’s EOLI-SA application, available at: http://earth.esa.int/EOLi/EOLi.html