



CGMS-35, ESA-WP-06
Prepared by ESA
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DATA HANDLING SOFTWARE TOOLS AVAILABLE AT ESA

In response to CGMS Action R34.04

ESA has developed a number of software tools to handle ERM and Envisat data. The tools are available on line.

DATA HANDLING SOFTWARE TOOLS AVAILABLE AT ESA

1 INTRODUCTION

In order to help handling of ERS and Envisat data, ESA has developed a number of software tools, which are available at <http://earth.esa.int/resources/softwaretools/>.

2 SOFTWARE TOOLS

In particular, note the following:

- **BEAM** for ENVISAT MERIS and AATSR data
- **BEST** for ERS SAR and ENVISAT ASAR data
- **BEAT** for ERS GOME and ENVISAT GOMOS, MIPAS and SCIAMACHY
- **POLSAPRO** for POLARIMETRIC SAR data
- **ENVIVIEW** to open any Envisat data file and examine its contents.
- **BRAT** for radar altimetry data (ERS1/2 . POSEIDON , TOPEX etc)
- **AMORGOS** for MERIS (to generate accurate geo-location)

3 TPM ALGORITHMS

The data distributed by ESA from the ESA Third Party Missions are in the majority of cases processed using the default processing software as provided by the satellite owner/operator (e.g. Landsat, NOAA, Terra/Acqua MODIS, Spot etc.). The processing software is usually integrated into ESA's multi-mission ground segment distributed across the European facilities. In other cases ESA develops own software algorithms and processing software. In this regard, ESA is planning to develop an own European processing capacity for the Japanese ALOS satellite instruments, i.e. the L-band PALSAR (and eventually the optical instruments PRISM and AVNIR-2).

4 CONCLUSIONS

For any information, please contact ESA help desk: eohelp@esa.int.