

# MEOS POLAR

## Direct Broadcast Terminal

for L- and X-band Polar Orbiting Satellites

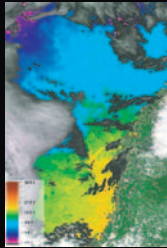


KONGSBERG

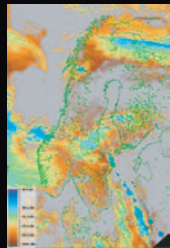
### Advanced Package

The Advanced Package is an add-on to the Basic Package and contains automatic processing of Value Added Products. The range of Value Added Products include nowcasting products, such as Cloud Type and Cloud Top Temperature, and climatological products like Sea Surface Temperature and Normalised Difference Vegetation Index.

The Advanced Package also upgrades the MEOS View visualisation tool with functionality to integrate satellite images with data from other sources; such as, Numerical Weather Predictions model data, in situ observations and weather radar images.



AVHRR  
Sea Surface Temperature



AVHRR  
Cloud Top Pressure

### Value Added Products

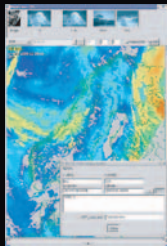
#### AVHRR Advanced Package

- Sea Surface
- Temperature (SST)
- Cloud Top Temperature (CTT)
- Cloud Top Height (CTH)
- Cloud Top Pressure (CTP)
- Cloud Amount (CA)
- Cloud Mask (CM)
- Cloud Image (CI)
- Cloud Type (CType)
- Hot Spot Detection (HSD)
- Precipitation Index (PI)
- Normalised Difference Vegetation Index (NDVI)
- Cloud classification
- Snow detection
- Aerosol/ash detection

\* Requires ancillary data generated by the National Centers for Environmental Prediction (NCEP). Access to these data is the responsibility of the customer. At the moment these data are available at

#### MODIS Advanced Package

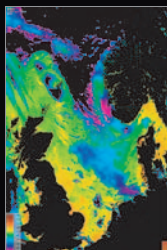
- MOD04 Aerosol
- MOD05 Perceptible water
- MOD06\* Cloud product
- MOD07 Atmospheric properties
- MOD09\* Surface-reflectance product
- MOD10 Snow cover product
- MOD13 Normalised Difference Weather Index (NDVI)
- MOD14 Thermal anomalies product
- MOD18-26... Ocean colour products (14)
- MOD28\* Sea Surface Temperature (SST) product
- MOD29 Sea ice product
- MOD35\* Cloud Mask (CM)
- MOD43 BRDF/Albedo



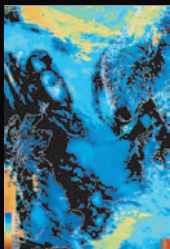
MODIS  
Cloud Top Pressure



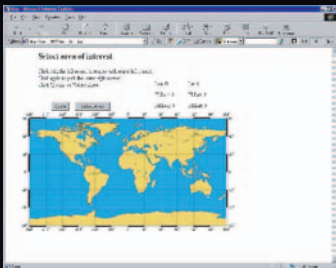
AVHRR  
Normalised Difference Vegetation Index



MODIS  
Sea Surface Temperature



MODIS  
Cloud Top Pressure



Catalogue and Browse query page by using map background

### AVHRR, TOVS and ATOVS

Kongsberg Spacotec integrates the ATOVS and AVHRR Pre-processing Package - AAPP.

### AIRS, AMSU-A and HSB

Kongsberg Spacotec integrates the International MODIS and AIRS Processing Package - IMAPP.

### TIP Data Extraction and Archiving

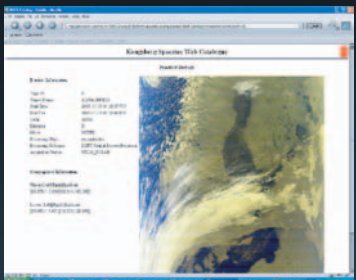
The package demultiplexes NOAA and METOP HRPT raw data files and extracts TIROS Information Processor (TIP) data. TIP data is stored as a separate data type in a standard rolling archive of the MEOS system. User defined processing TIP files, such as extraction and archiving of Argos information, is implemented upon demand.

### Catalogue and Browse

The package supports inventory of archived data and products through a web browser.

### Tape Archival and Retrieval

The package supports archiving to DLT or DAT.



Catalogue and Browse product details