



MESSIR-SAT

Satellite Imagery

EUMETSAT, Himawari

Delivering high-definition satellite imagery, these tools are essential for forecasters—enabling accurate weather analysis, real-time monitoring, and clear visualization of cloud types and storm system evolution

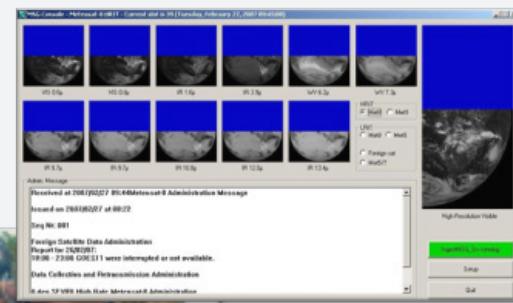
MESSIR-SAT Solution

Empowering weather forecasting, aviation, and research with advanced satellite data visualization and analysis.



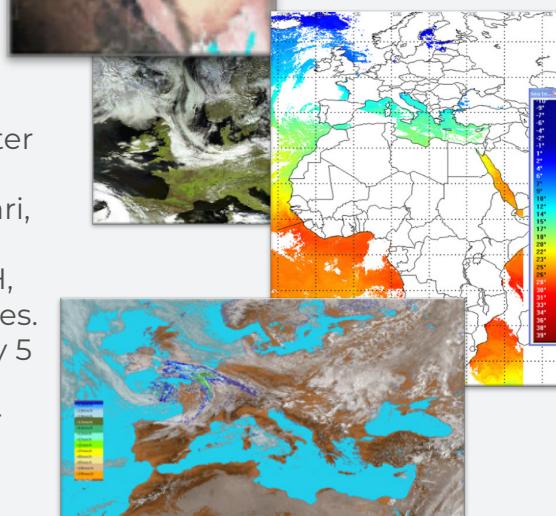
Technical core

- Delivered as a standalone EUMETCast workstation or pre-processing server.
- Supports C-band or Ku-band reception via EUMETCast.
- Access to the full range of METEOSAT imagery and products.



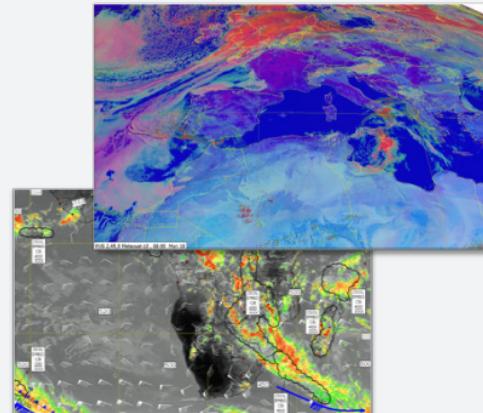
Satellite Data & Products

- 12 SEVIRI spectral channels from METEOSAT: visible, infrared, and water vapour.
- Compatible with Meteosat, Himawari, GOES, METOP, and other satellites.
- Derived products include: AMV, CTH, SST, NDVI, and precipitation estimates.
- Rapid Scan Service for images every 5 minutes.
- Integration with numerical weather models (ECMWF, EGRR).



Advanced Visualization Functions

- RGB composites and spectral combinations.
- Integrated map editor with multiple projections (Mercator, Lambert, etc.).
- Custom color palettes, transparency, 3D rendering, and multi-screen support.
- Overlay with observation and forecast data.
- Export formats: JPEG, PNG, PDF.
- Automated data export and web feed



EUMETSAT's Meteosat Third Generation (MTG) high-resolution geostationary satellite data, work in progress, scheduled for July 2026.

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