

The RDT product has been developed by Météo-France in the framework of the EUMETSAT SAF in support to Nowcasting. Using mainly geostationary satellite data, it provides information on clouds related to significant convective systems. The objectives of RDT are twofold:

- The identification, monitoring and tracking of intense (not all!) convective system clouds
- The detection of rapidly developing convective cells.

The product is created every 15 minutes using 5 of the MSG channels and NWP input from the local version of the Unified Model.

RDT is a tool for forecasters - aviation forecasters should benefit since this product can identify intense convection in areas where no radar data is available. The last nine images (2 hours) of the product is displayed here. The red polygons indicate growing storms and the purple polygons the mature storms. This is overlaid on IR108.