

Operational Processing of ATOVS data at the Satellite Application Facility on Climate monitoring

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The Satellite Application Facility on Climate Monitoring (CM-SAF) generates, archives and distributes widely recognized high-quality satellite-derived products and services relevant for climate monitoring in an operational mode. Products covering cloud, radiation and humidity parameters are derived from different operational satellite and sensor types. The International ATOVS Processing package (IAPP) is applied for the retrieval of humidity and temperature parameters. Currently, data from ATOVS onboard NOAA 15,16 and 18 are used for the generation of global environmental data records in near real time at the CM-SAF. It is intended to include data from ATOVS onboard the Metop in the operational processing. Daily and monthly products including mean value and error information are provided to the user in a 90 km x 90 km sinusoidal projection. The current status and future plans concerning the ATOVS processing routines at CM-SAF will be presented from the operational point of view.

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