

CM SAF Newsletter 9

December 2012

The EUMETSAT
Network of
Satellite Application
Facilities



Availability of CM SAF Cloud, Albedo and Radiation dataset based on AVHRR GAC data edition 1 (CLARA A1)

We are pleased to announce that the CM SAF CLouds, Albedo and RAdiation dataset based on AVHRR GAC data edition 1 (CLARA A1) is now released. The dataset CLARA A1 covers the time period 1982-2009 for the cloud and surface albedo products and 1989-2009 for the surface radiation products. The dataset comprises the following parameters:

Surface radiation

- Surface Incoming Shortwave Radiation (SIS, CM-52)
- Surface Net Shortwave Radiation (SNS, CM-67)
- Surface Outgoing Longwave Radiation (SOL, CM-74)
- Surface Downward Longwave Radiation (SDL, CM-81)
- Surface Net Longwave Radiation (SNL, CM-88)
- Surface Radiation Budget (SRB, CM-95)
- Cloud Radiative Effect SW (CFS, CM-100)
- Cloud Radiative Effect LW (CFL, CM-101)

Albedo product

- Broadband Surface Albedo (SAL, CM-60)

Cloud products

- Fractional Cloud Cover (CFC, CM-05)
- Joint Cloud property Histogram (JCH, CM-11)
- Cloud Top level (CTO, CM-17)
- Cloud Optical Thickness (COT, CM-34)
- Cloud Phase (CPH, CM-38)
- Liquid Water Path (LWP, CM-43)
- Ice Water Path (IWP, CM-47)

The products are available via the [Web User Interface](#). Please be aware that it will take until mid of January 2013 until the complete data set for the surface radiation products SNS, SRB and CFS will be available. All other products can already be ordered.

The documentation of the dataset (ATBD, PUM, Validation Report) is available via the [Publication & Documentation](#) section of the [CM SAF Webpage](#) or via links on http://dx.doi.org/10.5676/EUM_SAF_CM/CLARA_AVHRR/V001.

A more detailed description of the CM SAF CLARA A1 data set can be found on the [Highlights](#) section of the CM SAF webpage.

Change from Meteosat-9 to Meteosat-10 for SEVIRI and GERB based environmental data records (EDR) in January 2013

On 21 January 2012 Meteosat-10 will become operational and will replace Meteosat-9. Consequently, CM SAF will update its processing of SEVIRI and GERB based products to using SEVIRI and GERB data from Meteosat-10. For the processing of the cloud based products an update of the processing software is required to handle the data from the new satellite. The cloud fraction and cloud top products will be based on the NWC SAF MSG v2012 software for Meteosat-10 based products. The surface radiation and top of atmosphere radiation programs will remain unchanged. The changes will result in changes in the version number of the products. More detailed information on the implemented changes and version numbers will be published via the [CM SAF Service Messages](#) and the next CM SAF Newsletter. Further information on the switch of the operational EUMETSAT geostationary satellite can be found on the [EUMETSAT satellite relocation](#) page.

CM SAF Training Workshop 2013

The 2013 CM SAF Training Workshop will be organised in co-operation with EUMETSAT and the Finnish Meteorological Institute (FMI). It will take place at the Headquarters of FMI in Helsinki, Finland, 7 October - 11 October 2013. The focus will be on the application of CM SAF data in high-latitudes and polar regions. The announcement of the workshop and further information will be sent in spring 2013.

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