

# CM SAF Service Message 100

The EUMETSAT  
Network of  
Satellite Application  
Facilities



## Changes in SEVIRI-based routinely provided EDR products

CM SAF will change the processing of the currently available SEVIRI-based EDR products (cloud fraction, cloud top products, surface incoming shortwave and surface incoming direct radiation) with the beginning of 2017 in order to be more consistent with the corresponding TCDRs (CLAAS v2 for cloud products and SARAH v2 for the surface radiation products), which will both be released soon. With this change, our environmental data records (EDRs) will become so-called “interim climate data records” (ICDRs). The underlying algorithm will be identical with the algorithms used in the generation of the TCDRs, thus it can be seen as a continuous extension of the TCDRs. The main difference will be in the calibration of the satellite data, which cannot be as thorough as for the TCDRs because of the timeliness constraints. Additionally, the used background NWP data will change to using forecast data instead of reanalysis data. In order to ease working with the TCDR and the corresponding ICDRs, the output format as well as the spatial resolution and projection of the ICDRs will be the same as for the TCDRs. The list below gives a summary of the main changes compared to the currently available EDR parameters:

- Change in algorithm using the identical algorithms as in corresponding TCDRs (SARAH-2 and CLAAS-2)
- Change from hdf5-format to netcdf-format as standard output format
- Identical spatial resolution and projection as TCDR (lat/lon grid instead of sinusoidal projection)
- Improved timeliness requirement (5 days instead of 2 months)

Test data together with a more detailed description of the implemented changes will be provided in October 2016 in order to help users to change their applications to the new formats. CM SAF will inform the users via a newsletter as well as on the webpage.

## Stop of processing of ATOVS and GERB/SEVIRI based EDR products with start of CDOP-3 in March 2017

The 3<sup>rd</sup> Continuous Development and Operations phase (CDOP-3) of the Satellite Application Facility on Climate Monitoring has been approved by EUMETSAT Council in summer 2016. Please also see the “Highlights” section on the [CM SAF webpage](#) to get a first impression on the upcoming developments. The new project phase brings some changes and new challenges. While CM SAF will continue to develop and deliver improved Climate Data Records (CDRs) of Essential Climate Variables (ECV) related to the energy and water cycle. New developments and new products also mean that a few currently available parameters will have to be discontinued. With the start of the CDOP-3 in March 2017 the ATOVS-based EDR products of HTW, HLW and HSH as well as the GERB/SEVIRI-based parameters TRS and TET will be discontinued. We apologize for any inconvenience this may cause!