CM SAF Newsletter 26
November 2016

The EUMETSAT Network of Satellite Application Facilities

CM SAF Climate Monitoring

Test data for upcoming ICDR SEVIRI available on ftp-server

As announced in Newsletter 25, CM SAF will change its product portfolio from providing SEVIRI based Environmental Data Records (EDR) to the provision of Interim Climate Data Records (ICDR) for cloud fraction (CFC), cloud top parameters (CTO), surface incoming shortwave (SIS) and surface incoming direct (SID) radiation. The change will be effective in spring 2017 with data from January 2017 onwards being provided. In order to help our users to adapt to the new formats test data are now available on our ftp server. More details on the products and links to the test data can be found here.

Safe mode of Meteosat 10 on 15-17 October 2016 affecting CM SAF cloud and surface radiation EDR products

In the timeframe 15 October 2016, 12:34 UTC to 17 October 2016, 12:45 UTC, no Meteosat-10 SEVIRI data had been available due to a satellite anomaly. The spacecraft experienced a switch to safe mode and EUMETSAT recovered the satellite and switched back to operations on 17 October 2016, 13 UTC. This affects the SEVIRI based CM SAF EDR products of cloud and surface radiation (CFC, CTH, CTP, CTT, SIS, SID). No daily mean product is available for 16 October 2016. Users should be aware that the daily mean for 15 and17 October 2016 as well as the monthly mean and monthly mean diurnal cycle products are based on a reduced amount of data.

Users recommended to use ATOVS-based EDR products (HTW, HLW, HSH) from October 2016 onwards with caution

The ATOVS-based EDR products HTW, HLW and HSH (version 350) are usually based on data from ATOVS on board Metop-A and Metop-B (see the Product User Manual for more details). On 17 October 2016 an anomaly occurred on channel 15 of Metop-B AMSU-A and resulted in the data being unusable. As a consequence the products are based on Metop-A data only since mid-October 2016. A validation of the HTW, HLW and HSH products for October 2016 showed that the data are within specifications. However, users are recommended to use the products from mid-October 2016 onwards with caution. CM SAF will monitor the behavior of the used satellite data and ATOVS-based products closely.

CLAAS-2 cloud top level (CTO) products under investigation:

The monthly mean cloud top level products (CTOmm*), which contain monthly mean cloud top pressure, height, and temperature, of the recently released CM SAF CLAAS-2 data record are currently under investigation. It was found that the conversion from daily mean CTO to monthly mean CTO data was erroneous. We are currently characterizing the error in more detail. All other products (including the daily mean CTO products) are not affected.

We recommend all users of CLAAS-2 monthly mean CTO data to be cautious when interpreting the data. Please monitor the CM SAF webpage regularly until updates on this issue are published.

==========