CM SAF Newsletter 27
December 2016

EUMETSAT council approves next five-year phase of CM SAF

At the end of the 86th EUMETSAT Council session early December 2016, the EUMETSAT Director-General signed the CM SAF cooperation agreement with the President of the Deutscher Wetterdienst as leading entity of the SAF on Climate Monitoring for the Third Continuous Development and Operations Phase (CDOP-3). The CDOP-3 covers the period 2017-2022 and will further extend the CM SAF's portfolio of operational products and develop new products.
New partner of the CM SAF for CDOP-3 is France (CNRS/LEGOS), who will lead the activities to derive global precipitation climatological data records.

CM SAF on Twitter

CM SAF now has a twitter account. Follow us on @Climate_SAF for the latest CM SAF related news.

Safe mode of Meteosat 10 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. This affects the SEVIRI based CM SAF EDR top of atmosphere products (TRS, TET). No daily mean products are available for the time period15-17 October 2016. Users should be aware that the monthly mean and monthly mean diurnal cycle products are based on a reduced amount of data.

New climate solar atlas for Poland based on CM SAF SARAH data records

A new Climate Solar Atlas for Poland based on CM SAF SARAH climate data record has been officially released by IMGW-PIB. The atlas is a follow-up of the analogical Climate Solar Atlas for Baltic Republics. Both atlases cover a period of 24 years (1991-2014) and consist of 2646 maps presenting selected climate characteristics of solar radiation over Poland and the Baltics. Despite different mapping approaches, color scales and value intervals are identical to ensure comparability.

EUMETSAT Training Workshop on the Use of Gridded Satellite Data for Climate Services from 20th to 24th March 2017 in Krakow, Poland

EUMETSAT is organizing a training workshop on "The Use of Gridded Satellite Data for Climate Services". The participants of this workshop will learn to handle CM SAF data using free software tools and explore the opportunities to use CM SAF data in

their daily work. The workshop encompasses an online element in late February/early March 2017 and a face-to-face workshop from 20 to 24 March 2017 in Krakow, Poland, hosted by the Institute of Meteorology and Water Management National Research Institute (IMGW-PIB). More information can be found on the Workshop 2017 page.

Update on upcoming ICDR from SEVIRI replacing currently available SEVIRI based operational parameters

As already announced in Newsletter 26 test data have been made available on the CM SAF ftp-server to prepare the changes in the SEVIRI based ICDR products. On 5 December 2016 the test data for the surface radiation parameters (SIS and SID) have been updated to correct a minor bug in the data. The format and metadata of the files have not been affected and did not change compared o the earlier version. Beside SID and SIS the third radiation parameter direct normalized irradiance (DNI) will be made available as part of the SEVIRI ICDR product group to be consistent with the already available SARAH-1 and the upcoming SARAH-2 data record. DNI will be available for our users as daily and monthly mean products (0.05°x0.05° latitude/longitude grid). DNI test data are available as well on the CM SAF ftp-server at ftp://ftp-cmsaf.dwd.de/ICDR_SEVIRI/radiation.

Publications by CM SAF team

The following list gives an overview of some recently published papers by the CM SAF team covering CM SAF products and developments. Authors from the current CM SAF team are marked in bold.

Schröder, M., **M. Lockhoff**, J. Forsythe, H. Cronk, T. Vonder Haar, and R. Bennartz, 2016: The GEWEX Water Vapor Assessment: Results from Intercomparison, Trend, and Homogeneity Analysis of Total Column Water Vapor. J. Appl. Meteor. Climatol., 55, 1633–1649, doi: 10.1175/JAMC-D-15-0304.1.

Kinzel, J., **K. Fennig**, **M. Schröder**, A. Andersson, K. Bumke, and **R. Hollmann**, 2016: Decomposition of Random Errors Inherent to HOAPS-3.2 Near-Surface Humidity Estimates Using Multiple Triple Collocation Analysis. J. Atmos. Oceanic Technol., 33, 1455–1471, doi: 10.1175/JTECH-D-15-0122.1.

Loew, A., A. Andersson, **J. Trentmann**, and **M. Schröder**, 2016: Assessing Surface Solar Radiation Fluxes in the CMIP Ensembles. J. Climate, 29, 7231–7246, doi: 10.1175/JCLI-D-14-00503.1.

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