

# CM SAF Newsletter 2

## April 2011

The EUMETSAT  
Network of  
Satellite Application  
Facilities



### Availability of new SEVIRI based product SID

The Surface incoming direct radiation (SID) based on SEVIRI data is available to our users via our Web user Interface. Details on this new product can be found in the Algorithm Theoretical Baseline Document Direct Irradiance at Surface (CM-SAF Product CM-104) and the Product User Manual Surface Radiation Products which are available via the CM SAF Web page ([www.cmsaf.eu/docs](http://www.cmsaf.eu/docs)).

Daily mean products are available starting with 11 April 2010, monthly mean products are available from April 2010 onwards as well. Please be aware that the first monthly mean product (April 2010) is only based on the data since 11 April. The first full month of data is May 2010.

### New version of several AVHRR and SEVIRI based CM SAF products from January 2011 onwards

We are pleased to announce the availability of several updates for CM SAF cloud and surface radiation products based on AVHRR and SEVIRI data.

The updates were implemented for products from 01 January 2011 onwards.

The following list gives a summary of the main changes in the processing from January 2011 onwards:

- Implementation of the NWC SAF PPS 2010 software for AVHRR based cloud products replacing the NWC SAF -<http://www.nwcsaf.org>- PPS 2009 version.
- Implementation of new SAL software for AVHRR and SEVIRI based products. SAL now supports a correction of satellite-observed reflectances for variation resulting from topography changes. The snow albedo retrieval has also been amended as per requirements of the ORR-B review outcome. The topography correction is only applied to the AVHRR data but not to SEVIRI data.

According to the versioning approach of CM SAF the version numbers of all products being directly or indirectly affected by the introduced updates are changed from January 2011 onwards. For information on the current version numbers of all products and their dependence on the introduced changes please check the corresponding sections of our Change Log webpage

([http://www.cmsaf.eu/bvbw/appmanager/bvbw/cmsafInternet?nfpb=true&pageLabel=cm\\_saf\\_data\\_access&cmsaf\\_portlet\\_data\\_accessqsBDocumentPath=Navigation%2FData\\_Access%2Fop\\_products\\_ci\\_node.html%3Fnnn%3Dtrue](http://www.cmsaf.eu/bvbw/appmanager/bvbw/cmsafInternet?nfpb=true&pageLabel=cm_saf_data_access&cmsaf_portlet_data_accessqsBDocumentPath=Navigation%2FData_Access%2Fop_products_ci_node.html%3Fnnn%3Dtrue)).

### Important information for users of continuous orders

Users having placed a continuous order are kindly asked to check whether their ordered product has been affected by the introduced change in version numbers in January 2011. A continuous order is always valid for the most recent version of the product valid at the day the continuous order is set up. Data for the chosen product is sent to the user continuously as long as this specific version number of the product is valid. If we update/change our product which is indicated by a change in the version number we

kindly ask our users to re-new their continuous order. Our system is currently not able to do the change automatically.

We apologize for any inconvenience and thank our users for their understanding. Further information on continuous orders and several other topics can be found in our Frequently Asked Questions section of our webpage.

### **Workshop on the “The Use of Satellite Data for Climate Applications”**

The 2011 CM SAF Workshop will be held from 17 to 21 October 2011 at the DWD Meteorological Training and Conference Centre (BTZ) in Langen, Germany. The main goal of this workshop is to support the use of CM SAF data in operational climate monitoring and research. The workshop will bring together an international group of active and future users of CM SAF data and will focus on practical classes using CM SAF data, mainly based on the software tools ‘cdo’ and ‘R’. As in the previous years, the intended audience are employees from national weather services, however, also participants from research institutions are welcome. The number of workshop participants is limited to 20; participation will be free of charge, limited funding for travel and accommodation will be available.

The official workshop announcement has been published on [www.cmsaf.eu/workshops](http://www.cmsaf.eu/workshops) → CM SAF Training Workshop 2011. Here, you will also find the link to the online application form; deadline for application is Friday, 29 April 2011. There will be an online test prior to the workshop, which will be available from 16 to 20 May 2011. The selected participants will be informed about their acceptance no later than Friday, 3 June 2011.

If you have any questions or comments please contact [cmsaf.training@dwd.de](mailto:cmsaf.training@dwd.de)

### **New Training Material available:**

CM SAF recently released an example set of CM SAF data and scripts to analyse the data. These data and scripts provide an example on how to work with CM SAF data and might also be used as a basis to develop individual applications.

The scripts are based on the open-source software tools cdo and R and include the conversion of the CM SAF hdf-files into netcdf, the extraction of selected regions and the re-gridding of the data, e.g., onto a regular lon-lat grid. Also, time series at user-defined locations can be extracted from the spatial data and exported into Excel-readable format. The set also includes scripts to visualize the time series data, including some statistical measures, and the spatial data.

The zip-file containing the scripts and CM SAF data including a documentation is available at [www.cmsaf.eu/tools](http://www.cmsaf.eu/tools)