**Date: 8 May 2017**

**To: GSICS Executive Panel**

**Subject: Acceptance of the EUMETSAT SEVIRI-(DCC)-MODIS**

**Cross-calibration product into the Demonstration Phase**

On 15 September 2015, EUMETSAT submitted the SEVIRI versus MODIS cross-calibration product to the GCC for review and acceptance in the GSICS in the Demonstration Phase. The GCC provided these products to the appropriate members for review. I have used my discretion as GCC Director to accept two positive reviews together with presentations at the 2016 GSICS Annual meeting as sufficient for the technical review step. After successfully completion of the review process for the documents, publications and product, I am happy to make the decision to accept the products into the Demonstration Phase. This is the first GSICS product applying the Deep Convective Cloud (DCC) method. We look forward to receiving other products making use of this technique.

A product review page is available on the GSICS wiki at

<http://gsics.atmos.umd.edu/bin/view/Development/SEVIRModisReview>

The page details the submission of the GSICS Product Acceptance Form (GPAF) and the ensuing steps for review of it and supporting documents (including the ATBD and publications). Members of the GSICS Product Acceptance Team (GPAT), GSICS Data Working Group (GDWG), GSICS Research Working Group (GRWG) and GSICS Coordination Center (GCC) have reviewed the science and sample files for the product. The developers have satisfactorily addressed their questions and concerns.

The product is uploaded daily on the thredds server at

<http://gsics.eumetsat.int/thredds/catalog/msg3-seviri-aqua-modis-demo-nrtc/catalog.html>

An outline of the steps of the GPPA that were completed is provided as an appendix. The relevant documents such as the ATBDs, GPAF and the reviewers’ comments are available through links on the product review page cited above.

Lawrence Flynn, GCC Director

**Appendix 1: Summary of steps completed in the GPPA workflow**

1. Fill out Sections I, II, III.1.A.1, and III.1.A.2 of the GSICS Product Acceptance Form (GPAF). Also, fill out Section III.1.B (ATBD) of the GPAF.
   * Who: Product provider
   * **Completed**
2. Submit the GPAF and preliminary ATBD for review to the GSICS Product Acceptance Team (GPAT) via the GSICS Coordination Center (GCC) Deputy.
   * Who: Product provider

*On 15 September 2015, EUMETSAT submitted a version of the SEVIRI-MODIS (DCC) product to the GCC. The files that were submitted are 1)*[*GPAF*](http://gsics.atmos.umd.edu/pub/Development/SEVIRModisReview/GSICS_GCC_GPAF_V01_2_VNIR_EUM_2.doc)*, 2)* [*ATBD*](http://gsics.atmos.umd.edu/pub/Development/SEVIRModisReview/ATBD_for_EUMETSAT_GSICS_Inter-Calibration_with_MODIS_using_Deep_Convective_Clouds_1.docx)*, 3) Product* [*Sample File*](http://gsics.atmos.umd.edu/pub/Development/SEVIRModisReview/W_XX-EUMETSAT-DarmstadtSATCALRACGEOLEOVNIRMSG2SEVIRI-AQUAMODIS_C_EUMG_20121231000000_demo_blend_v1_1.nc)

* + **Completed**

1. Determine if the GPAF is filled out correctly and decide if the product theoretical basis is adequate and the product scope is within the GSICS domain.
   * Who: GPAT
   * **Completed**
2. GPAT feedback given to the Product provider.
   * Who: GCC Director

*Reviews provided at*

<http://gsics.atmos.umd.edu/bin/view/Development/SEVIRModisReview>

* + **Completed**

1. Upload a sample file to a GSICS data server if GPAT feedback is affirmative.
   * Who: Product provider, GDWG Chairman

*Sample product files sent to GCC and relayed to GPAT, link on review page*

* + **Completed**

1. Determine if the sample file follows the GSICS netCDF and file naming conventions.
   * Who: GDWG Chairman

*Reviews provided by GPAT members (Masaya Takahashi and Manik Bali)*

*Formats corrected to standards*

* + **Completed**

1. Remediate any GPAF issues according to the GPAT feedback.
   * Who: Product provider, GCC Director

*Remediation ensured that the Metadata conventions are now followed.*

*Changes were implemented.*

* + **Completed**

1. Once all issues are resolved, the product enters the **Demonstration Phase**.

*All issues are resolved. Kim Doheyong (GRWG Chair), Manik Bali (GPAT Member), Masaya Takahashi and Peter Miu (GDWG Co-Chairs) all recommend that the product be accepted.*

* + **Completed**

1. This Memo of Approval from the GCC Director to the EP.