



July 27, 2022

Japan Aerospace Exploration Agency

The new version AMSR2 Sea Surface Temperature (SST Version 4.1) products will be released.

We will make minor version update for AMSR2 Sea Surface Temperature (SST) products. The new version 4.410.410(Ver4.1) SST product will be released on July 27, 2022. The schedule for the precipitation major version update, which was scheduled at the same time, is being rescheduled.

◆ The principal changes with SST minor version update

- (1) The calculation of the effect of radiation from land has been refined.
- (2) The wind and atmospheric corrections have been modified to allow SST estimation in strong winds and weak precipitation areas.
- (3) The recent trend of brightness temperature observed in the northern hemisphere has been corrected
- (4) The judgments of Radio Frequency Interference have been revised.
- (5) Changes of version number in granule ID

The version number in granule ID will be changed to “4410410” only for SST products (Level 2 and Level 3).

Example of a Level 3 SST product (0.1degree grid) :

(OLD) GW1AM2_20220630_01D_EQOA_L3SGSSTHB4400400.h5

(NEW) GW1AM2_20220630_01D_EQOA_L3SGSSTHB4410410.h5

◆ Details of validation results

The details of the changes and the results of validation will be posted on the following URL
https://suzaku.eorc.jaxa.jp/GCOM_W/data/w_productinfo_j.html

◆ New Version Product

The new version product will be provided through G-Portal from July 27, 2022(6:00UT). However, please note that the exact time of switching the version is uncertain. Regarding FTP

of G-Portal, the new version product will be stored in the same folder currently used for provision. During switching the version, the provision of product will not be suspended.

◆ Reprocessing of previous observation data

The SST products will not be reprocessed in this minor version update. Therefore, please note that when switching to the new version, there may be some gaps in the SST time series for some northern hemisphere areas where a downward trend was observed. For details, please refer to the "Details of validation/verification results" section above. We plan to address this gap by reprocessing past data at the next major upgrade.



Japan Aerospace Exploration Agency