

The minor version update of AMSR-E Total Precipitable Water (TPW) Level 3 low resolution (0.25-degree grid) product

We will make minor version update and release the new version 8.221.221 of AMSR-E Total Precipitable Water (TPW) Level 3 low resolution (0.25-degree grid) product on February 1, 2024. The products for the past period will be also reprocessed.

The changes in this minor version update are as follows:

(1) Correction of grid processing range

Level 3 low resolution (0.25-degree grid) products are averaged using Level 2 data pixels within 18 km from each Level 3 grid center. However, when processing the AMSR-E TPW Level 3 low resolution (0.25-degree grid) product, the average range was incorrectly set to within 8 km (the same range as for the Level 3 high resolution product). As a result, pixels with missing value increased at the edges of the observation swath. In new version 8.221.221, the range setting was corrected and the AMSR-E TPW Level 3 low resolution (0.25-degree grid) products were reprocessed for the entire period, including the past period.

(2) Change of algorithm version in file name (granule ID)

The version number in granule ID will be changed from “8220220” to “8221221” for TPW Level 3 low resolution (0.25-degree grid) products.

Example of granule ID for TPW Level 3 low resolution (0.25-degree grid) product :

(OLD) PM1AME_20100101_01D_EQOA_L3SGTPWLD8220220.h5

(NEW) PM1AME_20100101_01D_EQOA_L3SGTPWLD8221221.h5

◆ Distribution of new version products

The new version products will be distributed through the G-Portal from February 1, 2024 (6:00UT). However, please note that the exact time of switching the version is uncertain. Regarding FTP service of the G-Portal, the new version products will be stored in the same folder currently used for provision. During switching the version, the provision of products will not be suspended.