

S41-04

Pre-Operational Validation of AHI on Himawari-9, in level 2 products.

Koyamatsu Shin, Handa Taro, Naiki Shiho,
Saeki Yuki, Saitou Koutarou,
Sakurai Mayuko, Shimoji Kazuki,
Yamada Yurika

Japan Meteorological Agency (JMA) is planning to switch the operational geostationary meteorological satellite over from Himawari-8 to Himawari-9 on 13 December 2022.

Himawari-8 has brought unprecedented levels of performance in nowcasting services and short-range weather forecasting systems with its higher temporal, spatial, and spectral resolution than the former generations.

Together with the multi-band imageries, geophysical products, such as High-resolution Cloud Analysis Information (HCAI), Atmospheric Motion Vector (AMV), and Clear Sky Radiance (CSR) are derived from Himawari-8 measurements.

The previous test observations have revealed that the accuracies of Himawari-9 products were almost the same as those of Himawari-8.

This presentation introduces the preliminary results from the pre-operational observation of Himawari-9 for the validation of level 2 products, such as HCAI, AMV and CSR.