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

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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 Himawawari-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.