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Some New Operational Applications of MetSat Observations

By

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Abstract

This paper will discuss a number of new satellite products recently available to forecasters and weather forecast centers as well as some presently in a testing mode. Advent of increased operational satellite microwave sounding capabilities has been a key factor in some of the new products. Web access to near real-time products from research satellites also has opened a new segment of satellite data applications.

The new satellite application products mentioned will include: Precipitation Estimates including Tropical Rainfall Potential; Total Column Water Vapor; Fog and Day/Night Albedo Products; Severe Weather Indices; Asynchronous Stereo Cloud Drift Winds; Surface Wind Vectors over the ocean; and others. In addition, development and test of a new suite of satellite data assimilation products will be mentioned.

Presentation

The oral presentation of this paper will highlight several examples of new operational applications drawn from the poster presentations of this Session of the Conference to foster additional discussion. In addition, we will recognize recent recipients of the David Johnson Award for Innovative Use of Earth Observation Satellite Data and briefly note the satellite applications they have developed.