

Comparison of the GOES-R ABI and the VIIRS Cloud Masks

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The cloud mask data from the official VIIRS processing system is now available. The VIIRS cloud mask (VCM) has been developed since 2000 by the Northrop Grumman Aerospace Systems (NGAS) and its design came from the NASA Goddard MODIS cloud mask. VIIRS provides many of the channels needed to operate the GOES-R ABI cloud mask (ACM). In this poster, we generate the ACM on VIIRS data and compare it to the VCM for one complete day. This poster will analyze the agreement of the two masks over various surface conditions. Special analysis will be given to impact of the mask choice on the quality of the derived cloud properties. Validation will be conducted through comparisons with data from NASA's CALIPSO Satellite.