VIIRS and MODIS Cloud-Gap-Filled Snow Cover Products in New Data Collections

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ABSTRACT

New NASA VIIRS and MODIS daily cloud-gap-filled (CGF) snow cover data products released in the new MODIS and VIIRS data collections are described and exhibited. The NASA VIIRS daily CGF snow cover data product (VNP10A1F) is released in the Land Science Investigator-led Processing System (LSIPS) V2 data processing collection beginning about June 2019. The MODIS daily CGF snow cover product for both Terra (MOD10A1F) and Aqua (MYD10A1F) are produced in the MODIS Adaptive Processing System (MODAPS) C6.1 data processing collection beginning about May 2019. These data products will be available from the National Snow and Ice Data Center (NSIDC) NASA Data Active Archive Center (DAAC). Data product formats and contents are described to enable a user to better understand the products. Daily CGF snow cover extent (SCE) maps from the products are shown in comparison to the standard SCE maps and seasonal records of snow cover generated from the CGF products for select regions in the western USA.

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