



## NOAA-20 Evaluation Status and Porting Code to NOAA-20 VIIRS Cryosphere Products



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### NOAA-20 Cryosphere Products

VJ110	Snow Cover L2
VJ110A1	Snow Cover L3
VJ110A1F	Snow Cover Cloud-Gap-Filled L3
VJ129	Sea ice cover L2
VJ130	Ice Surface Temperature L2
VJ130P1[D N]	Ice Surface Temperature L3

### Status and Updates:

- Adapted the S-NPP snow cover algorithms to run with NOAA-20 inputs.
- Adapted the S-NPP sea ice algorithms to run with NOAA-20 inputs. Adapting the daily mean Ice Surface Temperature (IST) algorithm to generate the NOAA-20 product VJ130P1[D|N])
- Evaluation of snow cover and IST products in progress.

### Known Issues:

- NOAA-20 VIIRS band I3 has a noisy detector that impacts the snow cover and ice cover algorithms. Algorithm codes were revised to average reflectance over the noisy detector.
- Need to evaluate the ice surface temperature coefficients.

### Recent Publications:

- NOAA-20 VJ110A1 included in the Terra, Aqua, S-NPP, continuity study in progress.