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.