



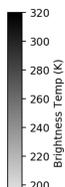
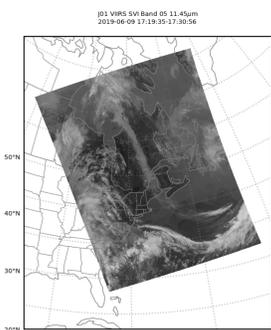
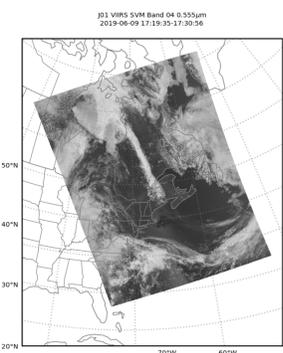
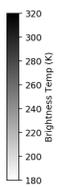
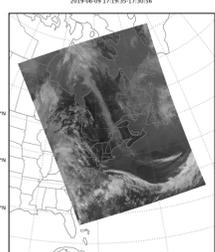
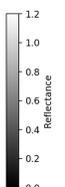
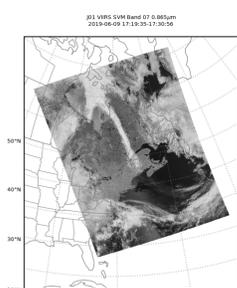
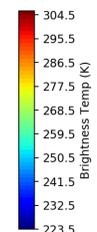
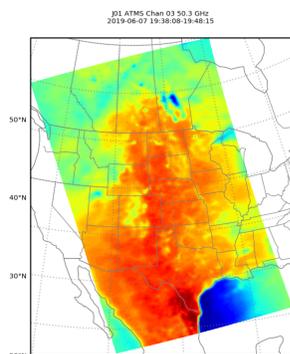
CSPP SDR and CSPP VIIRS ASCI, Level 1 and 2 products for your Direct Broadcast System



S. Mindock, R. Garcia, G. Martin, K. Strabala, L. Gumley, A. Huang and others

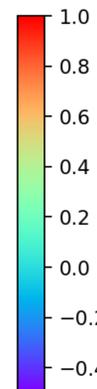
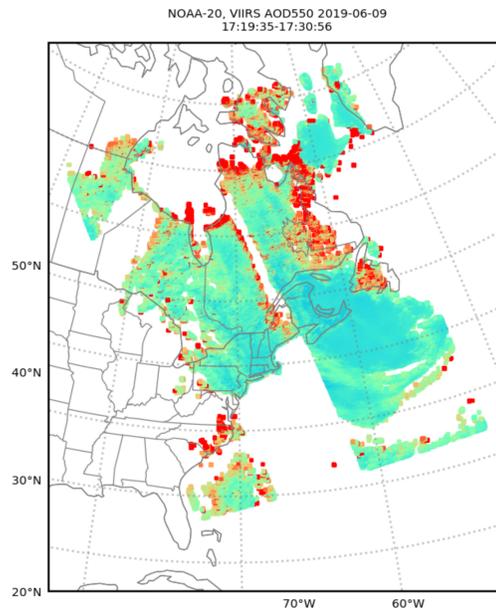
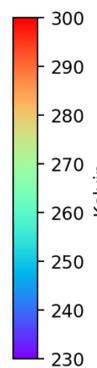
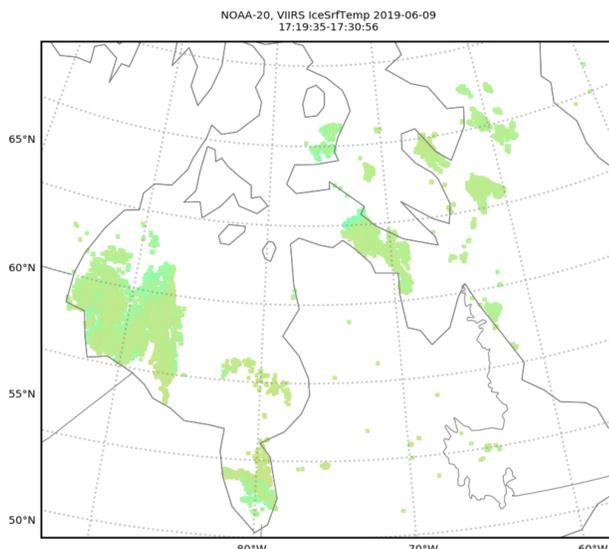
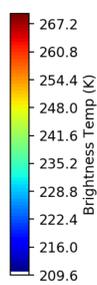
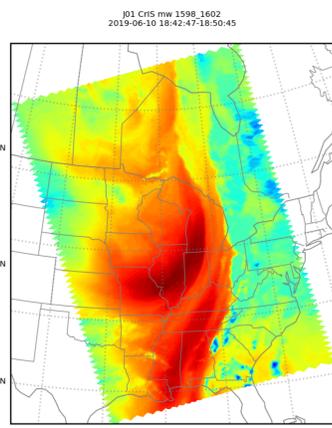
CSPP SDR and ASCI

The CSPP (Community Science Processing Package) Team at SSEC/CIMSS has created the CSPP VIIRS ASCI 1.0 software to support SNPP and JPSS-1 Level 2 product creation. The CSPP VIIRS ASCI package creates Enterprise Level, Cloud, Ice, Snow, Ash and Aerosol products using NOAA/NESDIS Enterprise Level algorithms. The CSPP SDR package creates Level 1 (SDRs) from SNPP and J01 RDRs acquired from Direct Broadcast. CSPP VIIRS ASCI allows the user control over the creation of Cloud, Ice, Snow, Volcanic Ash and Aerosol products. CSPP SDR and CSPP VIIRS ASCI work beautifully together. SDRs created with CSPP SDR are used as input to CSPP VIIRS ASCI providing a complete set of Cloud products from your antenna. The packages also provide quick-look capabilities for a wide variety of products.



SDR

ATMS
CrIS
VIIRS



ASCI

(A)erosol
(S)now
(C)loud
(I)ce

Algorithm Option	Key Products	Filename Prefix (*.nc)
aodadp	Aerosol Optical Depth, Aerosol Detection Product (Ash, Dust, Smoke)	JRR-AOD (Day only) JRR-ADP (Day only)
cloud1	Cloud Mask Cloud Top Height, Cloud Top Temperature Cloud Phase, Cloud Type	JRR-CloudMask JRR-CloudHeight JRR-CloudPhase
cloud2	Cloud Base Height Cloud Optical Depth, Cloud Effective Radius	JRR-CloudBase JRR-DCOMP (Day only) JRR-NCOMP (Night only)
snow	Snow Mask, Snow Fraction	JRR-SnowCover (Day only)
ice	Ice Age, Ice Thickness Ice Concentration, Ice Surface Temperature	JRR-IceAge JRR-IceConcentration
volash	Ash Detection, Ash Top Height, Ash Top Temperature, Ash Effective Radius, Ash Optical Depth	JRR-VolcanicAsh
all	All CSPP VIIRS ASCI products (default)	All the above

