ABSTRACT

The CSPP Team at SSEC/CIMSS has created the CSPP SDR 3.0 software to support SNPP and JPSS-1. The software is used by researchers and forecasters with both Direct Broadcast and CLASS obtained RDRs to produce SDRs. These SDRs are in turn used in a wide variety of application which benefit mankind. This poster details the the SDR software, and it capabilities. It also explores the uses of the SDRs produced and how they benefit us all.

CSPP SDR for SNPP and JPSS-1

CSPP SDR is a binary software distribution based on the ADL Framework. The package incorporates the SNPP and JPSS-1 Algorithms as implemented by RAYTHEON. The user is provided the ability to create SDRs from ATMS, CrIS and VIIRS data broadcast by SNPP and JPSS-1 Spacecraft. These algorithms are packaged and tested to provide a worldwide user base with Enterprise quality algorithms. The user is also provided all with the glue software necessary to make deployment simple. Software from Industry, Government and University sources combine for a complete meteorological solution. The CSPP SDR software integrates several software packages and is often deployed with rt-stps to provide S-NPP RDRs as input.

The CSPP SDR software success story relies on simple deployment, just 10 easy steps to NPP SDRs ready for research and forecast use.

Ten Easy Steps

1. Download http://cimss.ssec.wisc.edu/cspp/
2. Tar xf CSPP_SDR_V*.CACHE.tar.gz
3. Tar xf CSPP_SDR_V*.tar.gz
4. Tar xf CSPP_SDR_V*.STATIC.tar.gz
5. Export CSPP_SDR_HOME=pwd/CSPP
6. Source $CSPP_SDR_HOME/cspp_sdr_env.sh
7. viirs_sdr.sh “RVIRIS data”
8. atms_sdr.sh “RATMS data”
9. cris_sdr.sh “RCRIS data”
10. Enjoy the products.