Install and Run

Mission/Instrument

Products

QuickLook Images

CSPP (Community Satellite Processing Package) Sounder Packages in Direct Broadcast
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CSPP IAPP Microwave Retrieval Software Version 2.4
14 October 2020
MRS Retrieval Software for Linux
CSPP_MIRS_v4.0.tar.gz (tar.gz)
320 MB
MRS Retrieval Software for Windows
CSPP_MIRS_testdata_v4.0.tar.gz (tar.gz)
1.3 GB
tar -xf CSPP_MIRS_v2.4.tar.gz
export CSPP_MIRS_HOME=$PWD/CSPP_MIRS_2_4
source $CSPP_MIRS_HOME/scripts/cspp_mirs_env.sh
run_mirs.bash -s n19 -i /n19/amsua_mhs -d /dynamic_anc

CSPP IAPP Retrieval Software Version 1.1
3 March 2017
IAPP Retrieval Software for Linux
CSPP_IAPP_v1.1.tar.gz (tar.gz)
431 MB
IAPP Retrieval Software for Windows
CSPP_IAPP_v1.1_TEST_DATA.tar.gz (tar.gz)
380 MB
tar -xf CSPP_IAPP_v1.1.tar.gz
export CSPP_IAPP_HOME=$PWD/CSPP_IAPP_1_1 source $CSPP_IAPP_HOME/ cspp_iapp_env.sh
iapp_level2.sh hirsldl_M01_20150126_0204_12223.11d ‘metoph’

CSPP SOUNDER QuickLook (QL) Software for NCPUS, HSRTV, MIRS and IAPP Retrievals
18 July 2015
Sounder Quicklook Software Instructions for Windows
CSPP_Sounder_Ql_installation_Guide_v1.0.pdf
439 MB
Sounder Quicklook Software Instructions for Linux
CSPP_Sounder_Ql_installation_Guide_v1.0.tar.gz (tar.gz)
1.1 GB
tar xf CSPP_Sounder_GL_v1.0.tar.gz
export CSPP_Sounder_QL_HOME=$PWD/CSPP_Sounder_GL_1_0 source $CSPP_Sounder_QL_HOME/cspp_sounder ql_env.sh
ql_level2_image.sh ...
ql_level2_skewt.sh ...

CSPP HEAP NHCAC-C/OASAM (USA/AMSGN)
Retrieval Package Version 1.0.2 - 16 November 2009
HEAP_V1.0.2 EDR Software Installation Instructions
CSPP HEAP_1.0.2.tar.gz (tar.gz)
11 GB
HEAP_V1.0.2 EDR Software Retrieval Data for Linux
CSPP HEAP_1.0.2.tar.gz (tar.gz)
14 GB
tar -xf CSPP HEAP_V1.0.2.tar.gz
export CSPP HEAP_HOME=$PWD/Sounder_QL_1_0
source $CSPP HEAP_HOME/source/heap_env.sh
run_bash.sh -a 201 -i /SDB/crsx_atms

CSPP UV (Hyper-)Refractivity Retrieval Package Version 2.0
22 June 2015
CSPP_SRCV Retrieve Software Installations Instructions
CSPP_SRCV_HRVR_1.0.tar.gz (tar.gz)
1.3 GB
CSPP_SRCV Retrieve Data for Linux
CSPP_SRCV_HRVR_1.0.tar.gz (tar.gz)
4.8 GB
tar -xf CSPP_SRCV_HRVR_v2.0.tar.gz
export CSPP_SRCV_HOME=$PWD/CSPP_SRCV_HRVR_2_0
source $CSPP_SRCV_HOME/env/hrvr.sh
run_hrsvr.src

too many options to showcase here

Satellite	Launch Date	NOAA Operational Dates
NOAA-19	06 Feb 2009	2 Jun 2009 – Present
NOAA-20	20 Apr 2013	22 Apr 2013 – Present

PROFILES and IMAGE SLICES

CONCLUDING REMARKS
CSPP Sounder packages are pre-compiled and very easy to install and run. SSEC maintains a server of global dynamic ancillary data that can be accessed automatically during package execution. The Sounder Quicklook package can generate images of temperature, dew point, water vapor, relative humidity at a specified pressure level. It can also make SkewT plots and supports multiple map projections with local & global views.