

The Climate Raw Data Record (C-RDR) Project is a part of the Climate Data Record Program. The C-RDR Project is responsible for developing a system to acquire, reformat, and enhance the Suomi National Polar-orbiting Partnership (SNPP) Raw Data Records (RDRs) and support data to facilitate the production of Climate Data Records (CDRs).

CDRs are fully calibrated, long-term time series of climate variables that have the consistency and continuity required for the climate research community. The production of CDRs requires the reprocessing of extensive data sets as algorithms are improved and the sensor performance is better understood. To produce CDRs, the raw data are required as input for each iteration of the reprocessing.

The goal of the C-RDR system is to provide the SNPP raw data and supporting data in a format that is enhanced for utilization in research, the production of CDRs, and long-term stewardship. There will be a C-RDR for each science instrument on the SNPP satellite. The C-RDRs contain the raw measurements from the RDRs, decoded, and decompressed so they are easily accessible. Each C-RDR file also contains extensive provenance, discovery, and usage metadata. The C-RDR files use the established, platform-independent, community standard netCDF-4 data format.