

The CDR Program released the Outgoing Longwave Radiation (OLR) - Daily Climate Data Record (CDR). The new CDR provides daily global climate data that are valuable as inputs into Radiation Budget Studies and verifying numerical models and can identify the variations in tropical clouds and rainfall that drive global weather patterns. The daily climate data of OLR can provide radiance observations at a 1.0x1.0 Degree resolution, creating a consistent long-term climate record of observations since 1979.

Developed by NOAA and the University of Maryland, the OLR – Daily CDR data are derived from the High Resolution Infrared Radiation Sounder (HIRS) instruments on board NOAA TIROS-N series and Eumetsat MetOp polar orbiting satellites, and the legacy and present-day Imager instruments on board the multinational operational geostationary satellites. This product will be extended with the new-generations of operational sounding instruments on board Suomi-NPP, JPSS, MetOp, etc., and imaging instruments on board geostationary satellites.