

CICS Science Conference
November 29, 30 & December 1, 2016
College Park, MD, USA

**Abstract: Research applications with NOAA's Climate
Data Record Program**

Jessica Matthews, CICS-NC

The mission of NOAA's Climate Data Record (CDR) Program (<https://www.ncdc.noaa.gov/cdr>) is to develop and implement a robust, sustainable, and scientifically defensible approach to producing and preserving climate records from satellite data. A CDR is a time series of measurements of sufficient length, consistency, and continuity to determine climate variability and change. They provide trustworthy information on how, where and to what extent the land, oceans, atmosphere and ice sheets are changing. Current operational CDRs cover multiple categories: fundamental, atmospheric, oceanic, and terrestrial. We will present the evolution of the program and highlight how CICS-NC (<https://ncics.org/>) scientists support the program through research applications.