



NOAA National Centers for Environmental Information (NCEI) Climate Data Records (CDR) Support

Services: Program Management Support; Research-to-Operations (R2O) Transition Support; Operations and Maintenance (O&M) Support; Science and Technology Support

Timeline: September 2010 to March 2019

Location: Asheville, North Carolina

Since September 2010, Global Science & Technology, Inc. (GST) has helped manage NOAA's satellite Climate Data Records based at the National Centers for Environmental Information (NCEI) in Asheville, North Carolina. A climate data record (CDR) is a time series of measurements of sufficient length, consistency, and continuity to determine climate variability and change. CDRs typically use data from different satellites and sensors extending from the present back to the beginning of the relevant satellite observation period.

Through this contract, GST provides support in four core areas:

- **Program Management Support** - Includes program office support to the Center for Weather and Climate (CWC) Director in program, portfolio, and project administration; document generation, maintenance, and stewardship; requirements and configuration control; schedule and resource tracking; contracts and business management activities.
- **R2O Transition Support** - Provide project management, process improvement, and technical support to the CWC in test and operational system definition and development, engineering, integration, and testing; software quality and production standards; CDR code ingest, translation, optimization, and verification; software tool development and maintenance; and create CDR test plans and procedures.
- **O&M Support** - Provide sustainment support for operational CDRs through coordinated dataset deliveries, archive, and customer access; ensure data consistency and integrity through uniform practices and documentation; manage subcontracts with NOAA partners for CDR algorithm development and user engagement studies.
- **Science and Technology Support** - Coordination and communication of services across NOAA, the government, and external stakeholders and communities as authorized by the government; science and technology subject matter expert services; and meeting, workshop, and review support.

In April 2014, GST was awarded the \$18M NOAA NESDIS NCEI Center Support contract. The NESDIS NCEI Center Support contract was a task order under NOAA's Scientific and Technical Support Services (SciTech) contract, which expanded GST's presence beyond the CDR Program to work across the NCEI center-wide. GST's work continues to expand via NOAA's Professional and Technical Satellite Services (ProTech - Satellite) contract.

CDR Data in Use around the World

CDRs typically use data from multiple satellites and sensors.

