

CIRES/NSIDC Professional Research Assistant

The National Snow and Ice Data Center (NSIDC), part of the Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado at Boulder, serves as a national information and referral center in support of snow and ice research. Our mission is to make fundamental contributions to cryospheric science and excel in managing data and disseminating information in order to advance understanding of the Earth system.

JOB OVERVIEW

As a member of the Data Operations team, the Professional Research Assistant/Data Operations Analyst is responsible for managing and supporting NSIDC's archive of satellite, aircraft, and ground data. The team operates numerous data systems, including the NASA EOSDIS Core System (ECS), which supports data from the NASA Terra, Aqua and ICESat satellite.

BASIC FUNCTIONS

- Performs routine operation of EOSDIS Core System:
 - Monitors ingest, archival and distribution of polar orbiting satellite data.
 - Troubleshoots and resolves system problems.
 - Performs system performance tuning.
 - Logs problem reports and configuration changes.
- Participates in ECS development activities and system regression testing.
- Defines, implements, and monitors ingest/archive/distribution processes for polar orbiting satellite data and station data.
- Performs migration of scientific data between mass storage systems.
- Organizes and achieves coordinated data system objectives while working with various data center departments.
- Authors and implements system documentation and operational procedures.

Duties may also include one or more of the following:

- Develops scripts to extend or enhance the automation of operational processes.
- Administers disk and media archives and establishes data archival policies.
- Performs data processing, ensuring accuracy and quality of science data and developing processes as required.
- Leads data management activities including implementing data access policies, managing archival metadata inventories, and overseeing data migration activities.
- Supervises Data Operations students, overseeing task assignment and completion.

REQUIREMENTS

- Bachelor's degree in a related discipline.
- Working knowledge of UNIX operating system and associated editors.
- Experience with Perl or Unix shell scripting, C programming, or equivalent.
- Experience with Windows and MS Office products.
- Strong communication and organizational skills and attention to detail.
- Ability to creatively problem solve, productively manage multiple tasks, and thrive in a highly interactive team environment.

DESIRABLE SKILLS

- Data management experience with digital data archives of remote sensing or climate data.
- Familiarity with tape libraries and/or mass storage systems.
- Familiarity with SAN and/or StorNext file systems.

The position will be filled as a Professional Research Assistant at the University of Colorado at Boulder and will be eligible for employee benefits, including 22 days of vacation per year and an excellent savings plan. The job will remain open until filled.

To Apply go to: www.jobsatcu.com/applicants/Central?quickFind=61644

Enter personal info, upload your cover letter, resume, a three professional references, letter of recommendation (Document 1) and Proof of degree (Document 2)

Job Code **NSIDC-16**

The University of Colorado at Boulder is committed to diversity and equality in education and employment. The University of Colorado at Boulder conducts background checks for all final applicants being considered for employment.