



CIRES/NCEI Research Associate Solar Physicist

The Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado at Boulder has an immediate opening for a Research Associate supporting NOAA's National Centers for Environmental Information (NCEI). NCEI is a new organization within NOAA formed through the consolidation of the National Geophysical Data Center, the National Oceanographic Data Center and the National Climatic Data Center. Within NCEI the Space Weather Team is responsible for supporting NOAA's space weather mission and for ensuring the operational and scientific utility of NOAA's space environmental data. The Geostationary Operational Environmental Satellite series R (GOES-R) is NOAA's next generation of spacecraft which will include a complement of space weather sensors to monitor the local space environment and the sun. The first GOES-R satellite is slated for a March 2016 launch. The GOES-R Solar UltraViolet Imager (SUVI) will image the sun to identify and classify features in support of operational space weather.

The Solar Physicist is NCEI's senior scientific authority responsible for scientific data stewardship of solar environmental datasets and derived products from GOES and from other related sources. The Solar Physicist is a key member of the NCEI Space Weather Team. The immediate focus for the Solar Physicist is preparing for the GOES-R launch and the post-launch testing of the SUVI. Applicants for this position must possess excellent scientific skills and a demonstrated capacity for team leadership. Applicants should also possess strong attention to detail, excellent communication skills and the ability to translate scientific requirements and findings into traceable/actionable tasks. The Solar Physicist position is located within the Solar Geophysics Branch of the NCEI Center for Coasts, Oceans, and Geophysics at the David Skaggs Research Center, Broadway, Boulder, CO.



Responsibilities

- Serve as SGB's senior scientific interface to the GOES-R Program Office for SUVI.
- Oversee the technical efforts of the SUVI Instrument Scientist in preparing for the launch and post-launch testing of GOES-R.
- Contribute to the overall success of the GOES-R space weather mission as a member of the NCEI Space Weather Team.
- Steward NOAA solar imagery datasets and related products derived from the SUVI sensor and from the predecessor Solar X-ray Imager (SXI) on GOES 12-15.
- Identify research opportunities to leverage and encourage the use of SUVI data.
- Conduct research with the solar imager data.
- Present results in peer-reviewed publications and at scientific meetings.
- Present oral and written status reports to NCEI management and staff as needed.
- Other duties from time to time as needed.

Requirements & Desired Skills

- PhD in physics or similar scientific discipline, or equivalent demonstrable experience.
- Proven experience in managing solar imagery or other large datasets for the operational and research communities.
- Experience with higher-level computer languages, such as Python, for environmental data processing.
- Ability to work well individually and as a part of a larger team.
- Excellent oral and written communication skills.
- Familiarity with the NOAA space weather satellite programs.
- U. S. citizenship or permanent resident status.

POSITION BENEFITS

For further information, please contact Dr. William Denig (William.Denig@noaa.gov).

The position will be filled as a Research Associate at the University of Colorado at Boulder and will be eligible for employee benefits, including 22 days of vacation (for a 100% position) per year.

To Apply

You must use www.jobsatcu.com to formally apply for this position. Search for this position using job posting RF02637.

Be prepared to upload a cover letter, your current resume/cv, proof of your degree (upload under Doc 1, this can be a scan of your diploma or scan of transcripts confirming your degree) and all contact information for 3 references familiar with the applicant's professional qualifications for the position.

The University of Colorado is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA Coordinator at (303) 492-1334. The University of Colorado at Boulder conducts background checks for all final applicants being considered for employment.