

Opportunity Title: Infrared spectral measurements, radiative forcing, and far-infrared science

Opportunity Reference Code: 0032-NPP-NOV23-LRC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

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Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description The position seeks a recent PhD in the physical sciences to conduct leading-edge research in the general area of radiative forcing of climate using spectral and radiometric measurements of infrared radiation. A focus of the research is the far-infrared (far-IR) portion of the spectrum, nominally the wavelengths from 15 to 100 micrometers. This region has not been routinely observed from space, but several new NASA and International missions (PreFIRE, FORUM, and TICFIRE) will be observing the far-IR in the near future. The position will assess, with current data, our understanding of radiative forcing in polar environments where climate change is occurring on a more rapid basis than at lower latitudes. The position will make use of existing sensors (CERES, AIRS, IASI, CrIS, MODIS). Expertise in infrared radiative transfer calculations is highly desirable.

Location:

Langley Research Center
Hampton, Virginia

Field of Science:Earth Science

Advisors:

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Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status



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Eligibility Requirements • **Degree:** Doctoral Degree.