

Opportunity Title: Astrophysics: Gamma-Ray Bursts

Opportunity Reference Code: 0017-NPP-NOV23-GSFC-Astrophys

Organization National Aeronautics and Space Administration (NASA)

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

Description A multiwavelength and multi-messenger approach to studying Gamma-ray Bursts (GRBs) is necessary to understand the physics of the explosions, relativistic jet dynamics, the nature of the progenitors, and to use them as probes of fundamental physics and cosmic chemical evolution. Goddard operates NASA's premiere GRB-detecting observatories, Swift and Fermi, and participates in ground-based radio, optical, near-infrared, and very high-energy gamma-ray follow-up observations. We work closely with the gravitational wave and neutrino communities, to obtain a full picture of the GRB phenomenon.

We are also developing future instruments and missions to advance the field using a wide range of platforms including CubeSats, ISS instruments, and a range free-flying missions to advance the field over next decade. Given the broad range of GRB-related topics we explore, we welcome NPP applicants with observational, theoretical, and hardware interests and experiences.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Astrophysics

Advisors:

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Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found at: <https://www.nasa.gov/oiiir/export-control>.



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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

**Eligibility
Requirements**

- **Degree:** Doctoral Degree.