



DEPARTMENT OF NAVY CAREER OPPORTUNITIES

Solicitation of Applicants for Astronomer, GS-1330 Flyer #23-003

How to apply: The United States Naval Observatory (USNO) will accept resumes through February 17, 2023 to fill multiple vacancies for Astronomers under the Direct Hire Authority for Certain Personnel of the Department of Defense.

Resumes and transcripts should be submitted by email to NAVOBSY_NOBS_N1-DL@navy.mil and reference the Flyer # above in the Subject Line of the email. Unofficial versions of transcripts are acceptable provided they list all coursework, credit hours completed, and the student's name. Cover letters are not required, but are encouraged. Highly qualified applicants will be contacted via email to schedule a job interview.

Salary Range: \$78,592 to \$122,495 Per Annum (for 2023)

Job Location: Washington, DC

About the Job: Successful candidates will be employed by the U. S. Naval Observatory (USNO) stationed at Washington, DC. USNO provides to the Navy, the Department of Defense (DoD), other federal agencies, and to the civil sector precise time, Earth orientation parameters, the positions and motions of celestial bodies, and related astronomical information. These positions are in support of USNO's Earth Orientation (EO) Department.

The specific focus for these positions is in the area of Very Long Baseline Interferometry (VLBI) correlation and fringing, which can include astrometry, mathematics, physics, and/or time-series analysis, though the incumbent may be expected to perform work in other areas of the spectrum. Strong knowledge in advanced computer storage, data bandwidth, and data throughput concepts are desirable.

Highly qualified candidates will demonstrate a strong ability to perform the following required tasks:

- Participation in the correlation and fringing of current S-band/X-band radio frequency VLBI, Very Long Baseline Array, and new VLBI Global Observing System (VGOS) intensives and 24-hour (rapid) sessions for mainly geodetic, but also for astrometry purposes
- Process and analyze astronomical data in support of USNO EO mission, which may include development of software and hardware
- Contribute to research and development of future USNO EO mission areas including advanced/future correlation using graphics processing unit, cloud, or other emerging technologies
- Communicating scientific and technical material in both verbal and written formats to a wide range of audiences from VLBI experts and peers to government or international experts

Basic Requirements: Appointments to Federal positions will be made at the GS-11 and GS-12 level, with a full performance at the GS-12 level and are based on the applicant's education and experience. Opportunities are available for applicants in the following field:

- Astronomer (1330):
 - Degree in one or combination of astronomy, physics, mathematics, space science, or electronics. Coursework in differential and integral calculus and 12 semester hours in astronomy and/or physics is required.

General and Career Information: Starting salaries are commensurate with education and experience, plus full benefits. Applicants must be U.S. citizens. Males born after December 31, 1959 are required to be registered with the Selective Service System. **All positions are subject to satisfactory completion of a security investigation, successful completion of a pre-employment physical, and/or drug test.**

Recruitment and relocation incentives **may** be authorized.

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