



DEPARTMENT OF THE NAVY CAREER OPPORTUNITIES

Solicitation of Applicants for Research Physicist, GS-1310 Flyer #23-005

How to apply: The United States Naval Observatory (USNO) is accepting resumes to fill one or more vacancies for Research Physicists under the Direct Hire Authority for certain personnel of the Department of Defense. USNO will evaluate and consider resumes as they are received through September 30, 2023, or until the position(s) is (are) filled.

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: \$94,199 to \$145,617 Per Annum (for 2023)

Job Location: Washington, DC

About the Job: Successful candidates will be employed by USNO stationed at Washington, DC. USNO provides to the Navy, the Department of Defense (DoD), other federal agencies, and 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 Precise Time (PT) Department and USNO's Precise Time and Astrometry (PTA) mission.

These positions are in the Clock Development Division, which is responsible for developing new clock technology for improvement of the USNO Master Clock. Current efforts include optical clocks based on spectroscopy of an atomic beam and an optical lattice clock. Maintaining and upgrading USNO's rubidium fountains is another responsibility of the Division.

Highly qualified candidates will demonstrate the following knowledge, skills and abilities:

- PhD or equivalent level of expertise in experimental atomic, molecular or optical physics, or expertise in a similar field
- Expertise with diode lasers, narrow-linewidth lasers, and/or optical frequency combs

- Knowledge of atomic clocks
- Knowledge of quantum physics
- Ability to contribute to development of operational optical clocks

Basic Requirements: Appointments to Federal positions will be made at the GS-12 or GS-13 level, with a full performance at the GS-13 level, and are based on the applicant's education and experience. Opportunities are available for applicants in the following field:

- Research Physicist (1310):
 - A. Degree: physics; or related degree that included at least 24 semester hours in physics.
 - OR
 - B. Combination of education and experience -- courses equivalent to a major in physics totaling at least 24 semester hours, plus appropriate experience or additional education.

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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THE DEPARTMENT OF NAVY IS AN EQUAL OPPORTUNITY EMPLOYER.