

Post Doctoral Fellow Position in ARIES Data Archival Project

The Aryabhata Research Institute of observational sciences (ARIES), Nainital, India is seeking a Post Doctoral Fellow to work on “ARIES Data Archival Project”. The successful candidate will work with Dr. Kuntal Misra and other members of the data archival team.

ARIES operates the largest 3.6m Devasthal Optical Telescope (DOT) in the country and two meter class telescopes - the 1.04 m Sampurnanand Telescope (ST) at Manora Peak and the 1.3 m Devasthal Fast Optical Telescope (DFOT) in Devasthal. In addition there is a solar telescope which continuously observes the Sun on clear days and a state-of-art atmospheric science laboratory hosting a suite of instruments. The research activities at ARIES are spread across a wide variety of topics in Astronomy & Astrophysics, Atmospheric Science and Instrumentation/Engineering.

ARIES is in the process of archiving the data obtained with these facilities during the last two decades which can be used by a larger scientific community to produce interesting results. In this process, the data archive team is homogenising the data which can be released in the archive. In the next phase we would aim to extend this work to provide processed data to the users.

Interested candidates for this position are expected to have sufficient background in optical astronomy with experience in observing with telescopes, photometric and spectroscopic data reduction techniques with IRAF/Python and programming experience in Python. The candidate is expected to devote 50% of their time to this project and the rest can be used for their own research activities. Candidates who have submitted their PhD thesis by 31/12/2021 are also eligible to apply. Rest of the eligibility criteria are same as other ARIES postdoctoral positions (see <https://aries.res.in/opportunities/opportunities-postdoc>).

Candidates are required to apply online through the following link <https://www.aries.res.in/form/online-application-for-pdf/> indicating their preference as “postdoctoral position in data archive” in the “Applying for” field. Separate application forms should be submitted for more than one postdoctoral positions. The applications should be submitted before the next deadline of 31-Dec-2021. Note that, the complete application material should contain i) A curriculum vitae with list of publications, ii) Brief summary of Ph. D. work (not exceeding 1 page), (iii) A research proposal (not exceeding 2 pages) and (iv) Names of at least three researchers (one must be his/her thesis supervisor) who can provide recommendation letter for the candidate. It is expected that research proposal is relevant to the data archival project and the research at ARIES.

The monthly salary and other terms and conditions are the same as indicated in <https://www.aries.res.in/opportunities/opportunities-postdoc>. All enquiries related to this position can be made to kuntal@aries.res.in with a copy to pdf@aries.res.in.