



**Researcher Position:**  
**Concept, Capability, and Impact Assessment of ADM-Aeolus Wind Profiles**

The Cooperative Institute for Climate & Satellites – Maryland (CICS-MD) seeks to fulfil researcher positions in the area that explores the exploitation of new data, new sensors, and new methodology to maximize the benefit of the global observing system. These positions reflect NOAA's effort to establish the scientific foundation of the next-generation architecture in the 2040 timeframe, as well as to work on exploring maturing new technologies for the prospect of including it in the future observing systems portfolio. For this specific position, main focus is Atmospheric Dynamics Mission (ADM)-Aeolus Wind Profiles. The successful applicant will work closely with scientists and engineers at NOAA Center for Satellite Application & Research (STAR) and their partners at NASA centers, industry, and academia.

Primary responsibilities are to: i) calibrate and validate ADM-Aeolus wind profiles against other types of observations such as atmospheric motion vectors and radiosondes; ii) assess intrinsic value of ADM-Aeolus wind profiles; and iii) support impact assessment in the NOAA operational global data assimilation system (GDAS). Significant preference is given to those with expertise in satellite data. Demonstrated knowledge and expertise in software development and visualization are highly valued. While the position is highly collaborative, the successful applicant is expected to be self-directed. The ambition to learn and work on challenging tasks, the flexibility to adjust to the fast-changing and interactive environment, and the desire to excel are considered to be the most important qualities.

Depending on the qualifications, the successful applicant will be employed at the appropriate levels. Starting salary is commensurate with experience. The position is for 12 months with possibility of extension. We provide a positive working environment for our team members to thrive in their workplace. Great work flexibility is allowed for remote access.

**Required Qualifications:** Expertise in atmospheric data analysis and software development associated with operational numerical weather prediction and parallel programming. Secondary: Knowledge of NOAA operational GDAS. US citizenship or permanent residency is required.

**Preferred Qualifications:** Doctoral or Master degree in Atmospheric/Earth Science, Physics, Mathematics, Computer Science, Engineering, or closely related disciplines. Expertise in visualization associated with big data.

**Application:** Review of applications will take place immediately and continue until the position is filled. To apply, please send i) cover letter; ii) curriculum vita; and iii) names of at least two references including e-mail addresses and telephone numbers to [anegri@essic.umd.edu](mailto:anegri@essic.umd.edu).