The Earth System Science Interdisciplinary Center (ESSIC) at the University of Maryland-College Park is seeking a postdoctoral scientist to collaborate with the Surface Oceanography Unit at the National Oceanographic Data Center. The mission of the Surface Oceanography Unit is to acquire, preserve, disseminate and insure the long-term utility of surface oceanographic records on behalf of the nation. One of our primary foci is the satellite oceanographic products derived from NOAA platforms or funded by NOAA. Responsibilities of the scientist will include improving our curation of satellite-derived ocean data streams. Curation activities include quantitative characterizations of data streams, creating derivative products such as climatologies, developing metadata for them, and ensuring that archival, discovery, access and visualization services are correctly deployed on them. The data streams we currently manage include sea surface temperature, Synthetic Aperture Radar (SAR), altimetry, ocean color, and sea surface salinity.

We are looking for someone who works well with others in a team environment, enjoys the technical challenges of handling large quantities of satellite data, and can generate robust, clean, well-commented code and keep it up-to-date under revision control. Skills required: familiarity with satellite remote sensing and processing levels, knowledge of Unix shell scripting and scripting languages such as Perl or Python, scientific Fortran or C, and command-line geophysical visualization tools such as GrADS or GMT, geophysical data formats (NetCDF, HDF), interactive programs such as MATLAB or IDL, basic HTML. Skills desired: familiarity with git software revision control system, experience with XML, expertise with one or more satellite oceanographic techniques or platforms.

Due to the difficulty of foreign national access to NOAA facilities, we must limit applications to U.S. citizens and green-card holders.

To Apply: Interested candidates should send a CV with a list of at least 3 professional references and a cover letter explaining how your qualifications meet the posted requirements to anegri@essic.umd.edu.

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