Two post-doc positions in atmospheric data assimilation. Applicants are sought for two post-doc fellow positions to begin in summer/fall 2010 to develop, test and conduct research on a hybrid variational/ensemble Kalman filter (EnKF) data assimilation method for NOAA’s global numerical weather prediction system. One post-doc fellow will be located at the Center for Analysis and Prediction of Storms and School of Meteorology at the University of Oklahoma, developing and researching on coupling the EnKF with the NCEP variational data assimilation system (hybrid var/EnKF System). The other post-doc fellow will reside in the Cooperative Institute for Research in Environmental Sciences at the University of Colorado working on improving treatments of model error, sampling error, and observational quality control in the EnKF. The post-docs will work collaboratively with colleagues at NOAA’s Earth System Research Laboratory, the University of Oklahoma, and the National Centers for Environmental Prediction. The initial appointments are for one year, with renewal to 3 years with satisfactory performances.

Applicants should have a Ph.D. in atmospheric science or related discipline; a background in atmospheric data assimilation (familiarity with the EnKF and/or variational methods is preferred); the ability to work independently and collaboratively; and excellent written and oral communication skills. Fortran 90/95 programming experience in UNIX/LINUX environment is required, and familiarity with scripting and plotting languages is desirable.

Position is open until filled and full consideration will be given to applications received by 1 May 2010. Electronic applications, including a letter of research interest and experience, CV, and three names of references including their contact information should be submit to xuguang.wang@ou.edu for the University of Oklahoma position and to jeffrey.s.whitaker@noaa.gov for the University of Colorado position.