



## Utah State University Climate Program



### **New Position of Assistant Professor in: Land-Atmosphere Exchanges and Mesoscale Meteorology**

#### **Position Summary**

The Dept. of Watershed Sciences, <http://www.usu.edu/departments/wats>, and the Department of Plants, Soils, and Climate, <http://www.psb.usu.edu>, at Utah State University, <http://www.usu.edu>, seek applications for a meteorologist with research interests in integrating mesoscale atmospheric models with land-atmosphere studies to address issues connected to regional climate. The position will be tenured in the Department of Watershed Sciences. The division of activities will be approximately 55% research, 35% teaching, and 10% service. Although there is flexibility in the research program, the successful candidate will be expected to use state of the art atmospheric models to collaborate with USU research faculty in areas such as biometeorology, climate, hydrology, ecology, and soil science. Example subjects might include: interaction with scientists to validate, and if necessary, alter the land surface routines in atmospheric models for semi-arid regions; involvement in scaling ecosystem fluxes at NEON/IRON sites, <http://www.neoninc.org>, to regional scales; integration of surface flux measurements of hydrology-atmosphere interactions in mountain watersheds; use of mesoscale atmospheric processes to interpret local water and carbon

balances, and expand the processes to watershed scales; and effects of urbanization on regional climate and air quality. The successful candidate will have expertise in the use and modification of the newest incarnations of mesoscale atmospheric models, as well as reasonable knowledge of micrometeorology and biophysical processes that govern exchanges between the land and the atmosphere.

Relevant information about current programs in Climate for both departments is available at <http://climate.usu.edu/research>. Teaching requirements include a course in the principles of remote sensing and a course in meteorology.

### **Minimum Qualifications**

A Ph.D. in atmospheric science or closely related discipline with evidence of a thorough background in Meteorology; record of peer-reviewed publication appropriate to career stage; ability to contribute to the teaching program in remote sensing and meteorology.

### **Preferred Qualifications**

Postdoctoral experience is desirable.

### **Special Instructions to Applicants**

Apply online at <http://jobs.usu.edu/applicants/Central?quickFind=51900>.

Technical questions about the position or meteorology program can be directed to Dr. Lawrence Hipps, 435-797-2009, biomet@cc.usu.edu. The position is open until filled but review of applications will begin March 1, 2007 Utah State University encourages applications from women and minorities. AA/EOE.

**Note: Review of applications will not begin until later in March. However, candidates are encouraged to apply as soon as possible.**