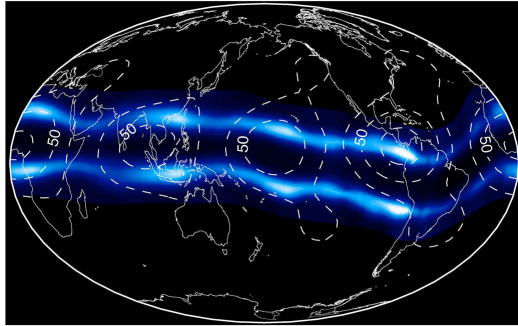


# Post Doctoral Fellow

## Ionospheric Science at University of New Mexico



Ionospheric equatorial anomaly



VLA telescope

### Three Dimensional High-Resolution Reconstruction of the Ionosphere over the Very Large Array

We invite applications for a postdoctoral fellow in the Long Wavelength Array Project at the University of New Mexico in Albuquerque, to begin in June of 2009, or as soon as possible thereafter. The focus of the project is to demonstrate the capability to do high-resolution volumetric ionospheric tomography over the VLA. The volumetric distribution of electrons in the ionosphere has never been measured on a regional scale with the resolution we intend. The technique we will test makes use of the VLA, GPS ground-based receivers and GPS occultation. The work will take place at both the University of New Mexico and the VLA site.

The successful candidate must have a Ph.D. in physics, astronomy, or related field, with a research emphasis in plasma science or ionospheric physics. Experience with interferometric and/or tomographic techniques highly desirable. Knowledge of radio interferometry analysis tools a plus.

for more info, contact Dr. Christopher Watts  
[cwatts@ece.unm.edu](mailto:cwatts@ece.unm.edu), 505-277-0141; 575-418-0025 this meeting