

## Form 442 Question 6: Description of Research Project

### University of Illinois Department of Atmospheric Sciences Wind Profiling Radar

This equipment is a standard 915 MHz Meteorological Radar Wind Profiler sold by Radiometrics, Inc. This radar (pictured below) is mounted on a trailer for mobile operation. This trailer will be deployed by University personnel during field campaigns for periods of 3-24 hours into the path of weather systems to measure the profile of winds before, during, and after those events. The data will uniquely allow researchers to monitor the wind circulations near these systems so they can be better understood and predicted.



Fig. 1: University of Illinois Radar Wind Profiler.