



Apogee Instruments TS-100 Aspirated Radiation Shield TS-100 Utah State University

The Department of Plants, Soils, & Climate at Utah State University maintains a solar powered weather observatory on campus using both an Apogee TS-100 aspirated shield and a standard static shield to monitor air temperature. The observatory provides continuous real-time weather data for the campus and is an educational resource for students in the environmental sciences by providing environmental measurements for conservation of irrigation water, sustainable food production, and monitoring air and ground water quality. A real-time graph on the site illustrates errors that can occur with static shields in certain conditions.



Weather observatory on Utah State University campus



Application Summary

Summary

The USU weather station uses both an aspirated and static shield to monitor air temperature. A real-time graph on the site shows errors that occur when using static shields.

Apogee Sensors Used

TS-100 Aspirated Radiation Shield

Contributing Organization

Department of Plants, Soils, and Climate

Location

Utah State University, Logan, Utah



The observatory provides continuous real-time weather data