

# Logging and Reporting Soil Moisture/Temperature Station Data

## Lab Guide

### **Task**

Log and report data collected with your Soil Moisture/Temperature Station.

### **What You Need**

- A setup and operating soil moisture and temperature station connected to a weather station.
- A suitable computer with email access.

### **In the Field**

1. Set your weather station to log data at 15 minute intervals on the quarter hour (e.g., 15:15).
2. Download your soil moisture and temperature station data (and any atmospheric data taken following the *Davis Weather Station Protocol*) to your computer following the instructions for your weather station.

**Note:** some weather stations can be set-up to transfer these data automatically

3. Export a text file of your data. Save this file on your computer. (If your software has the ability to export a text file in the GLOBE email data entry format, skip to step 5).
4. Use spreadsheet or other software to edit the exported file into the GLOBE email data entry format. Save this spreadsheet file on your computer.
5. Copy and paste your data in GLOBE email data entry format into the body of a GLOBE data entry message.