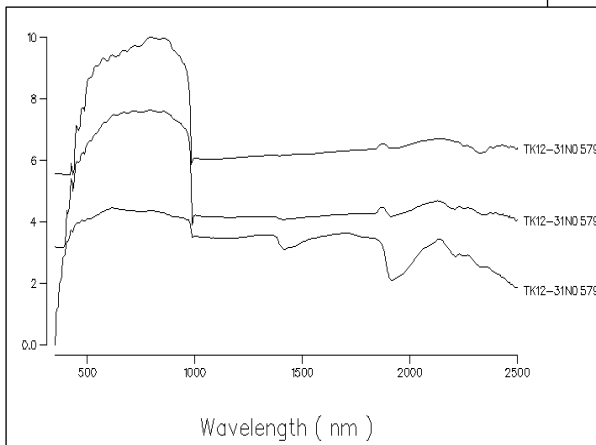
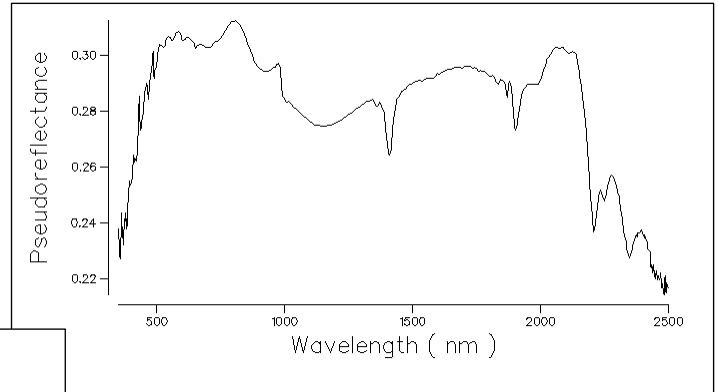


The specTERRA™ Spectrometer: Low Battery Problems

When using the specTERRA™ spectrometer on battery power, it is very important to keep the batteries well charged or it can compromise data quality.

Problems resulting from low batteries can include:

1. Increase in overall noise in the spectrum.



2. Loss of the VIS signal to the spectrometer.

We recommend changing batteries once the **voltage falls below 7 volts**.

(This information is recorded in the data header for each spectrum).

Note: An updated version of the DARWin is currently being tested. This will notify the user once the system voltages fall below normal operating limits. We will notify all of our clients once this update is available.