

BAROMETER CHECK/CALIBRATION:

Before and after each season, check the field barometers for accuracy by testing them against a calibrated weather station. Record on Barometer data sheet the weather station location, its barometric pressure reading to 0.01 inches Hg, barometer reading to 0.01 inches Hg., the barometer's offset, and if it needed to have its offset recalibrated. Any barometer that does not match the value of the weather station will need recalibration before QC-verified data can be collected in the field.

Barometer calibration steps:

1. Use the **mode** button to move to the barometric pressure screen.
2. Record the current reading on the Barometer Calibration Check form.
3. On the barometer screen, hold the **mode** button down until the screen changes to "Storm Off".
4. Click the **mode** button once and you will get "OFFSET". This is the value you can adjust to match your known pressure.
5. If the barometer reading matches the reference reading, record the current OFFSET.
6. If they do not match:
 - a. With the "OFFSET" showing, hold the **reset** button until the numbers start to flash.
 - b. The adjusted reading will continue to show in the lower right corner. Adjust the "OFFSET" value by pressing **reset** to go up, or **set** to go down, until the reading matches the known pressure. Record this new OFFSET value.
7. Once you have the value adjusted to match the weather station, hold down the **mode** button to lock it in.