

Weather Station Maintenance Checklist

Station Location: _____

Model: _____

Contact Name: _____

Date: _____

Serial Number (on support pole under the rain gauge): _____

Please make sure to register the weather station at <https://www.rainwise.net> and input the serial number of the station as well as the MAC address of the IP-100, so that everything may be referenced if you need assistance.

Placement

- In an open area/ not on metal (shelter should be no closer than four times the height of any obstruction)
- Over ground that is typical of surrounding area/ 100ft from paved surface
- Temperature sensor should be 5ft above the ground
- Sturdy/ doesn't sway

Notes:

Solar Panel

- Must be clean
- Panel at 30° (middle holes)
- Facing south

Notes:

Relative Humidity and Temperature Sensors

- Low RH readings on dewy mornings or rainy weather indicate malfunction

Notes:

Data Transmission: **IP-100** or **Cellular**

- Light blinks approximately every 2 sec

Notes:

Precipitation Gauges (Tipping Bucket)

- Should be cleaned routinely to prevent leaf, moss, algae, and debris buildup

Notes:

Solar Radiation Sensor

- Must be clean and not yellowed

Notes:

Leaf Wetness Sensor

- Mounted on the north side under tipping bucket
- Angled 45° from horizontal
- Check for cracks in plastic
- Excess cable secured to tipping bucket support arms

Notes:

Anemometer / Weather Vane (Wind Speed / Direction)

- Anemometer and weather vane should be able to spin freely

Notes: