

# Harvest Electronics

## *System Maintenance Guidelines*

NRFA RAWS

### **ITU G2 Base Station**

Clean solar panels with a damp cloth every 6 months or as needed. Ensure solar panels are able to receive a minimum of 4 hours of sunlight on a cloudless sunny day.

### **Rain Gauge**

These should be cleared of debris at least every 6 months. Calibration is required yearly to comply with the latest RAWS standards - Harvest offers rain gauge calibration kit hire at \$50 per week.

### **Temperature/Humidity Sensor**

Check to make sure no obstructions are blocking airflow through the radiation shield. Field calibration is not possible - Harvest can supply replacement sensors every 12 months. Contact Harvest for more details.

### **WMT-52 Wind Sensor**

No calibration or maintenance required. Do not touch black prongs as they will damage very easily.

### **Solar Radiation Sensor**

No calibration required. Carefully clean the face of the sensor with alcohol every 3 months or as needed.

### **Soil Moisture Sensor and/or Temperature Sensor**

No maintenance required if kept in soil.

### **Insect Repellent**

Recommended to be replaced every 2 years. The lid of the insect repellent needs to be closed. There is a small hole in the lid which will cause the eucalyptus oil to release slowly. If the lid is opened the eucalyptus oil will evaporate rapidly.

### **Masts**

Check that all guy wires are attached and tensioned.

### **Cameras**

Clean the lens each time the site is visited, or as needed.