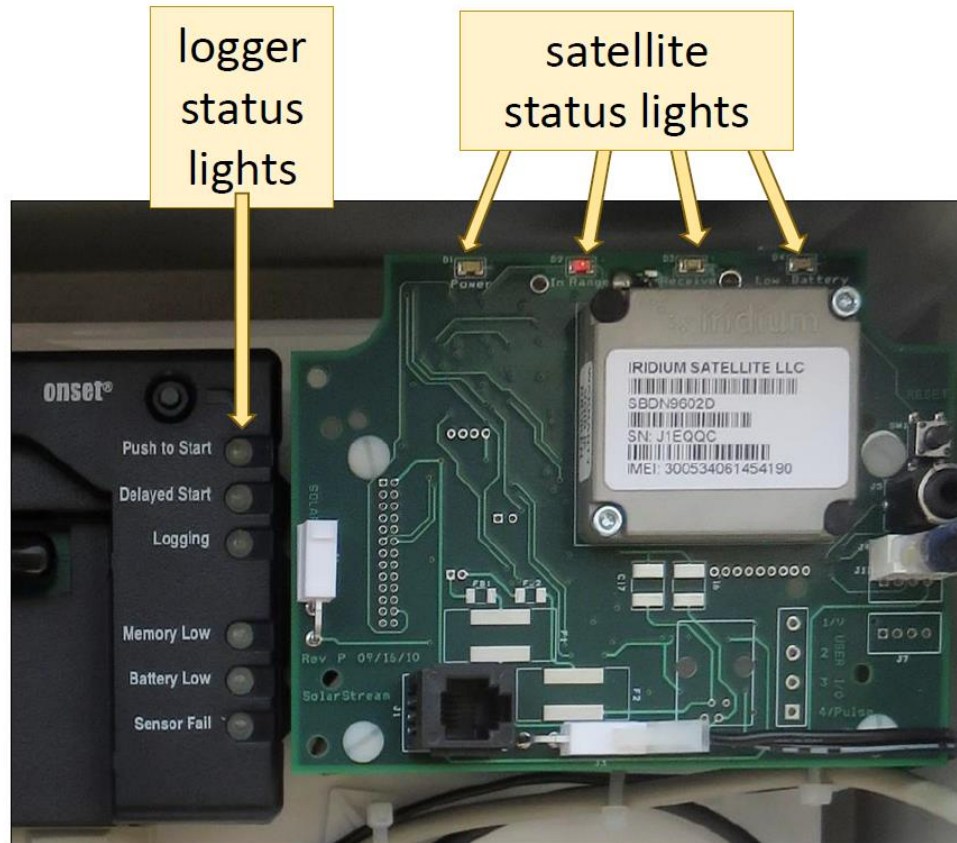


Manitoba Métis Federation

Weather Keeper Troubleshooting Guide



Checking lights on Black Logger Box

Located on the right-hand side of the black box in the logger housing box

1. Logging (Green) – flashing every two seconds while the logger is recording data.
2. Memory Low (Red) – flashing with <25% of memory remains. The logger will continue to run until all memory is used.
3. Battery Low (Red) – flashing when battery power is <25% capacity or batteries have been installed incorrectly.
4. Sensor Fail (Red) – flashing when a SmartSensor communication fails.

Checking lights on Iridium chip

Located at the top of the iridium chip green panel in the logger housing box

1. Power (Red) – flashing constantly when on and working.
2. In range (Red) – flashing constantly when connected to satellite and transmitting data.
3. Receiver (Red) – flashing constantly when on and working.

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Weather Keeper Maintenance Checks

Weather Station Part	Inspection Check	Maintenance Action
Logger housing box Figure 10	Is the box open or damaged?	Note any issues in your logbook under <i>Notes/Observations</i> . Contact your MMF tech if the item needs immediate attention.
Logger housing box Figure 10	Is the box dirty?	Wipe the housing box with a damp cloth. Do no use any chemical cleaners or soap.
Cables Figure 4-9,12	Are any cables from the sensors to the logger box damaged?	Note any issues in your logbook under <i>Notes/Observations</i> . Contact your MMF tech if the item needs immediate attention.
Solar Panel Figure 6, 10	Is the solar panel dirty?	Wipe the panel down with a damp cloth. Do no use any chemical cleaners or soap. Note any issues in your logbook under <i>Notes/Observations</i> .
Temperature and relative humidity sensor Figure 7	Is there snow/dust collecting in the vents (pictured)?	Wipe with damp cloth or gently brush snow off with snow brush (e.g. vehicle snow brush). Do no use any chemical cleaners or soap.
PAR sensor Figure 6	Is there snow/dust on sensor lens?	Wipe with damp cloth or gentry brush snow off with soft material (towel or gloves). Do no use any chemical cleaners or soap.
Rain Gauge Figure 8	Is the bucket tipped (not vertical)?	To correct the position of the bucket, set the bucket upright and if needed tap the pole into the ground with a mallet till vertical. Note any issues in your logbook under <i>Notes/Observations</i> .
Battery Figure 9, 12, and 13	Is the battery low light flashing red? (Figure 9 red box)	Turn multimeter on, connect the red end of the meter to the positive lead of battery and the black end of the meter to the negative lead. Readout should be around 12 volts (V) when operating correctly (Figure 12). Check solar panel with multimeter (Figure 13).
Iridium chip Figure 9, 11	Is the light flashing red (Figure 9 yellow box)?	Reset chip by pressing and holding the reset button (picture provided) for 5 seconds, you can use the end of a pencil for this. The power light will flash back on (Figure 11).