Test Wind System

Red Indicates Test Point
A reading of 0V is estimated to be 0-25 MPH. A generator requires 7MPH speed to start producing power.

Battery & solar charging: cycles an autonomy unit caused by a combination between solar panel regulation as well as generator loading. Spikes of 15.5-16V could be considered unhealthy for some equipment.

Red line indicates actual voltage read from the logger, black lines are a result of a 50 point moving average, to better show what the actual battery voltage is. Spikes readings are primarily caused by pulse width modulation regulation from the solar and wind regulators as well as panel/generator loading (initial burst of current caused by the load’s transition from being connected/disconnected from the system) and dynamic equipment power draws.