

editing TP01 data

When the TP01 is power cycled, the values for the first 300? seconds (while it is taking its first reading) are not valid. In the present raw_data, Vheat and Tau63 are set to missing values during this period, but not Lambdasoil (which reads as 0). These spikes to zero are averaged into the 5min means of Lambdasoil, which introduce spikes into our Cvsoil values and eventually Gsfsc. Ordinarily, this <shouldn't> be much of a problem, but it appears that there were periods during PCAPS when these systems were power cycled quite often (e.g. every 5 hours on 21 Jan). Presumably these were mote or power issues -- I haven't yet checked.

Regardless, it would be best to set all TP01 values to NA during these start-up periods.