

Interactive comment on “The Niwot Ridge Subalpine Forest US-NR1 AmeriFlux site – Part I: Data acquisition and site record-keeping” by Sean P. Burns et al.

Anonymous Referee #1

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The manuscript is well written, rather descriptive but really welcome if we compare it to the usual content of classical scientific papers. I think it could be very useful for teams who conduct similar researches, technical developments and instrument deployments on the field, especially on forest ecosystems. Some very minor comments Paragraph 3.4: Was it not possible to time-synchronize the computer (with NTP time server or GPS receiver as you mention) and then synchronize the data-loggers with it regularly? Easily configurable on relatively recent Campbell Sci. data loggers, I don't know if it is or was possible for oldest ones, e.g CR23X, CR10X, etc. It is easier to control others instruments and sensors (eg the solenoid valves of your system) when all dataloggers are time synchronized. Paragraph 3.6: Do alarms exist in your system and alerting

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you in case of deviation of variables or something else critical? Since there is a lot of instruments and sensors, I nevertheless regret that there is no scheme of power distribution. How dataloggers and sensors are powered? How they are protected from overload currents? How do you manage sensor maintenance/replacement with minimizing impact on others.

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