

AmeriFlux Meeting notes for 2022-06-01

Date

`$currentDateLozenge`

Attendees

Yong Wook Kim

Bethany Blakely

Rob Kooper

Minu Mathew

Taylor Pederson

Agenda

1. Data checks for Sorghum-Soy site
 - a. Timesync of -30min : First thing done in mastermet data (before precip data is merged). Precip data should be merged with the delayed timestamp.
 - i. Bethany will check more on this
 - b. TAU sign check : multiply with -1. This should be done when formatting pyfluxpro input for ameriflux standards (in amerifluxformat.py)
 - c. PPFD_IN vs SW_IN : misalignment of columns.
 - i. Should be fixed with auto merging (with met_data_merge.py)
2. Publishing Maize Basalt 2021
 - a. Will be done after figuring out timestamp sync of 30min.
3. Precip data 30min aggregation when timestamp is missing.
 - a. Since there are very few missing timestamps in precip data, keep the aggregation with NaNs as it is.
4. Met data format validation -
 - a. first line always site name
 - b. second line always column / met tower variable names - TIMESTAMP and RECORD mandatory?
 - c. third line always units (TS, RN - mandatory) ?
 - d. fourth line always Min / Avg - mandatory?
 - i. Not used anywhere - chance where if this line is missing - code will still work.
 - ii. Does master met data need Min/Avg? (met_output.csv)
 - iii. These 4 lines are standard from Campbell datalogger instruments.
5. Missing time threshold for precip data is the same as master met (example 96). That ok?
 - a. Preferably should be 2 days (so 596). This is a low priority task.

Action items

