AmeriFlux Meeting notes for 2022-09-07

Date

$currentDateLozenge

Attendees

Yong Wook Kim

Bethany Blakely

Rob Kooper

Minu Mathew

Taylor Pederson

Agenda

1. Mapping of met_tower_variable_names from 2020 to 2021 names
    a. This csv file will contain 2 columns, named Original and Target. Original column will contain non-standard met tower variable names like Solar_Wm2_Avg and Sw_Out_Avg. Target column will have the 2021 standardised variable names like SWDn_Avg and SWUp_Avg.
    b. This mapping file can also contain mappings like in NOTES#20.
    c. This input file will be read in met_data_merge.py, and in pre_pyfluxpro.py (l1format.py and l2format.py)
    d. With this mapping, we can use 2020 L1 and L2 input files.
    e. Example of this file will have 2 columns named "Original" and "Target". The original will contain the old / non-standard variable names (2020 version or ealier) and target will contain the 2021 standard variable names.
2. Do we need 2 input L1 and L2 files? Can we make L1_mainstem_input and L1_ameriflux_only inputs as one file? and L2_mainstem_input and L2_ameriflux_only_input as one file?
3. Check missing H2O variable (not able to reproduce the error).
4. Add precipitation to L2 data — Precip_IWS can be added to Ameriflux-Mainstem-Key.xlsx this will write Precip_IWS to L1_ameriflux.txt and L2_ameriflux.txt.
5. Duplicate variables problem in L2 creation (being resolved)
6. Soil variables are missing in L2 (resolved)

For next week :

1. Ameriflux first data quality checks catches all-data-missing variables (a variable where all the data for the entire year is missing). Should we perform this check in the pipeline? If all data is missing, should this variable be submitted to Ameriflux?

Action items

- [ ]