

Weekly Work Plan

202This is a placeholder for weekly work plan

- ☒ 22 Oct 2021 Minu Mathew rain precipitation should be added in format.py
- ☒ 22 Oct 2021 Minu Mathew Need to check with Bethany what should be done when the timestamp of precip data does not match with timestamp of met data. Or when met data contains additional timestamps.
- ☒ 22 Oct 2021 Minu Mathew Precip data - column name and unit to be added to df_meta in preprocessor.py
- ☐ 22 Oct 2021 Minu Mathew Use python packages to convert units (cf_units or udunits) in format.py and preprocessor.py
- ☐ Minu Mathew Test soil heat flux with old data having columns shf_mV_Avg and shf_cal_Avg(1) in preprocessor.py - old data (before 2010) not shared yet. (not critical)
- ☒ 22 Oct 2021 Minu Mathew Create mapping file meta data(1st row) : sitename - to be used in soil keys.xlsx
- ☒ 22 Oct 2021 Minu Mathew Create a function to check if required variables are available and correctly formatted for eddypro in format.py
- ☒ 22 Oct 2021 Minu Mathew Code rework for changes in soil heat flux in format.py - shf_Avg(1) or shf_Avg(2) should be renamed SHF_1_1_1 and one SHF_2_1_1 with SHF_1_1_1 being a required column.
- ☒ 22 Oct 2021 Minu Mathew Code rework for air temp in format.py - match pattern Air_TC* rename to Ta_1_1_1 (first) and Ta_1_1_2 (second). Ta_1_1_1 should always be present.
- ☒ 22 Oct 2021 Minu Mathew code rework for soil temp in format.py - use them all, both Soil_Temp(x)_Avg and TC\d*_10cm_Avg, using different location qualifiers for each. There will be some 30 sensors each site. Use soil.xlsx key(<https://uofi.box.com/s/24qq8lg4ahgpwyw6g63r79e8nie285t6>), shared by Bethany, as an input to match met variable names to eddypro labels.
- ☒ 22 Oct 2021 Minu Mathew code rework for soil moisture in format.py - use all soil moisture values, including Moisture\d*_Avg in met variables. Use soil_key.xlsx table shared by Bethany. Pay attention to the highlighted rows as they have old and new variable names. Use this table as input to match met variables to eddypro labels.
- ☒ 22 Oct 2021 Minu Mathew code rework for wind speed and wind dir - if timestamp is for year 2021, skip these variables. for other years, use the met data. – no need to skip these variables. EddyPro will read these variables from ghg file only, and not from met file.
- ☒ 22 Oct 2021 Minu Mathew code rework to change units writing style for all columns
- ☒ 22 Oct 2021 Minu Mathew Test everything with new 3 month 2021 data
- ☒ 22 Oct 2021 Yong Wook Kim finish eddypro running
- ☐ 12 Jan 2022 Yong Wook Kim running EddyPro in pipeline in Mac OS
- ☒ 19 Jan 2022 Yong Wook Kim make GUI for .env editing