Automation Procedures



use eddypro output in pyfluxpro L2 to generate graphs

- formatting the EddyPro output to AmeriFlux variables
 - L1
 - L2
- automation of running pypluxpro L1 and L2 process

Automation File Structure

- downloaded raw meteorology data
- /raw_metdata/
- created raw meteorology data
- formatted row meteorology data (input for eddypro)
 autput form address
- output from eddypro

Creating a Master Meteorological Data File

- need to obtain the data file (check permission for accessing the data, 2021-08-10 meeting)
- connecting to , file-server.igb.illinois.edu
- acquiring of Tools excel tool

Processing Raw Flux Data in EddyPro

• had a demo in 2021-08-10 meeting

Formatting Meteorological Data for Eddypro

- this could be automated by using python
- NCSA will work on coding and will ask verification of the output to Carl's group

Assembling Dynamic Metadata

Running Eddy Pro

Common Errors and Issues

- can eddy pro run without gui? (headless)
- if not, does it have project file or something so it can be modified automatically?

PyFluxPro: QA/QC, Gap Filling, and Partitioning

Installing

Creating the Database

first demo at Sep 15 2021

Formatting the PyFluxPro Control Files

Primary

Secondary

Other

Running a Flux Database through PyFluxPro

- L1-L3: Processing Single Years
- L4-L6: Processing a Full, or Muti-Year, Dataset (Incomplete)