How does COMPYCALC work?

INPUT

Sunset

OC removal data (*.txt)

MICADAS

uncorrected F^{14}C EC (*.csv)

OUTPUT

compycalc-v1.*.*.R

structure:
compycalc-v1.*.*.R
"F^{14}C EC data".csv
  src/cooldown_data.csv
  src/yields_calc_ext.R
  src/yields_calc_io.R
  src/corr_100_EC.R

generic 4th step: cooldown_data.csv

yields_calc_io.R

- load Sunset data
- load generic cooldown data
- call yields_calc_ext.R

yields_calc_ext.R

calculates EC-yield + charring

write EC-yield and charring results for each filter

write EC-yield and charring results for each filter (output in folder for each filter)

corr_100_EC.R

Correction to 100% EC-yield

generate summary result table
generate plots for export

mean EC-yield, charring (S1-S3), corr. F^{14}C for each filter (*.csv)

plots: corr. F^{14}C, EC-yield, charring (S1-S3) for each filter (*.pdf)