# R-Script

## Improvements to make:

Automate column header changes in data files and create a copy of the file to be used in the script.

Automate elapsed time changes in the data files.

Plot time series data for each temperature

genElapsedTime function only works if time in vds file is first column

~~Soft code in the rh and O2 functionality (use if statement to define a variable name)~~

Script breaks if there is no pwater column in vaisala data

Process the raw Vaisala file

Calculate the time column

Write intuitive, non-duplicate, names to the column headers

Add comparison functionality

Method to plot graphs from two, or more, different sensors or trials on same graph

Perform some statistical analysis on the data

Plot the difference

Plot SD/confidence interval if enough data

Change output folder name from date-channel to parent folder name – channel

Add a row letter to number converter

Take an average of values from several nearby points