This python package will create a set of profile and time series plots from CE-QUAL-W2 outputs and observed data to show how well the W2 model matches the observed data. It will also calculate statistics that quantify how closely the model results match the observed data.

Inputs:

* Observed data files
  + Sheet name
  + Header labels
  + Time span
* W2 Outputs – contain this package in the W2 folders – read .opt
  + Segment name

Outputs:

* Profile plots of model results
  + For various model state variables
  + On multiple julian dates,
  + At the model segments that match up with the station of the observed data (Zhong is currently finding this information)
* Time series plots of
* Calibration statistics

Questions:

* At what stations do we want to represent time series data?