# 14/08/2013

* Created data importation function which gives the user a GUI from which to access the recorded data files.
* Also Concatenates the 6x512 rows into a single column vector for easier access
* Plots the water surface elevation readings
* Determines the average level of the water surface readings, subtracts from the water level readings and generates a second plot showing the surface elevation – average surface elevation.

# 13/09/2013

* Created GONOGO functions and GUI. Basic GUI, some equations such as probability of bottom touching programmed. Excel file of Kilclogher sample ship details created, fully dynamic struct creation from this excel file implemented. Ship Details Creation GUI which allows the user to input the details of a new vessel added. Data transfer implementation using appdata.

# 16/09/2013

* Fully dynamic importation of ship details from excel sheet
* Dynamic Struct Creation for ease of data access
* Dynamic Struct Accessing based on user’s choice of vessel
* Struct containing ship details fully accessible to program and dynamically generating datatable for variables contained in struct to output to GUI and for later use.

# 17/09/2013

* A new ship can now be defined using the DefineShip Interface
* Drop down menu automatically re-populates with newly added ship data
* “See Data” button allows user to preview ship details which will be used in calculations

# 18/09/2013

* Addition of Displacement parameter to ship characteristic file and to DefineShip.
* Writing new entries to Ship characteristic file now uses elements directly from the struct.

# 19/09/2013

* Added Modified Squat Eps value and calculation