Tide\_API.py

To import to a jupyter notebook in the same directory – import Tide\_API as tide

Any function in Tide\_API can be called with the following syntax – tide.function\_name(parameters)

Functions in Tide\_API.py:

1. unix\_time(datetime) – takes a datetime object as the input and returns a float of the datetime object converted to the unix time (seconds passed since Jan 1, 1970 UTC). Primarily used as a helper function for the get\_tide function.
2. get\_tide(latitude, longitude, datetime) – the latitude and longitude are passed in as integers, and datetime is a datetime object. The function returns a float of the tide at the given datetime for the latitude, longitude passed in.