Python 3.7.1 (default, Dec 10 2018, 22:54:23) [MSC v.1915 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

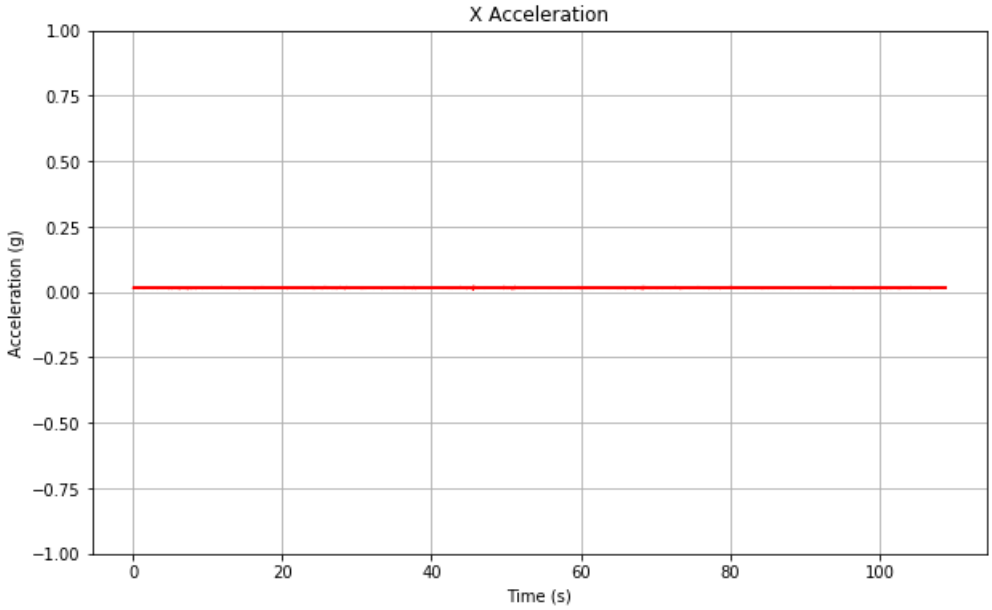
IPython 7.2.0 -- An enhanced Interactive Python.

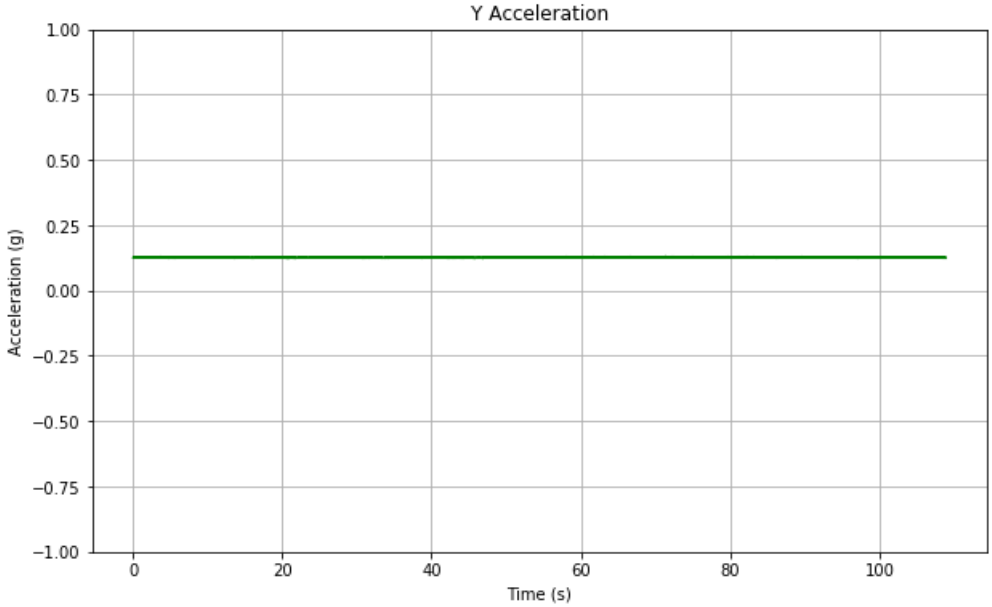
Restarting kernel...

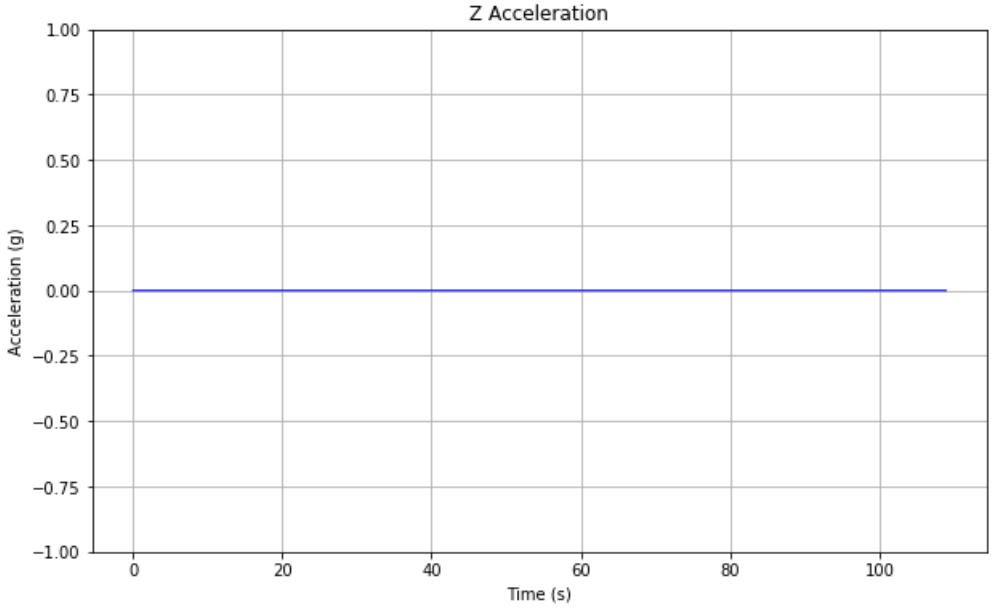
---

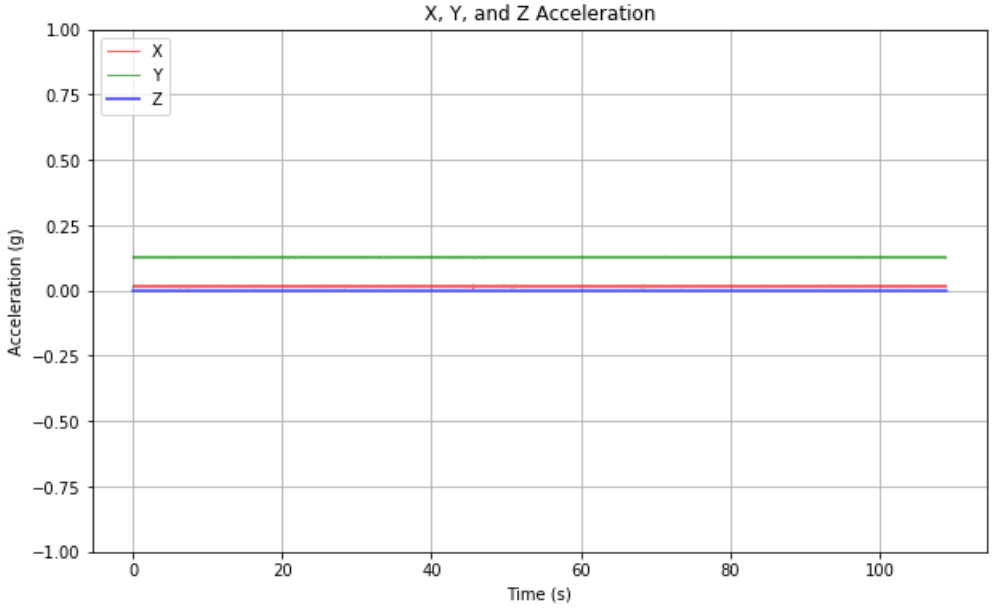
runfile('C:/Users/Andre/Desktop/April 1 2019 Data/Algorithm [7.0].py', wdir='C:/Users/Andre/Desktop/April 1 2019 Data')

*** FILE METRICS ***
Stat1.csv is being analyzed
File size: 0.68 MB
Samples: 10860
Time elapsed: 108.935 s

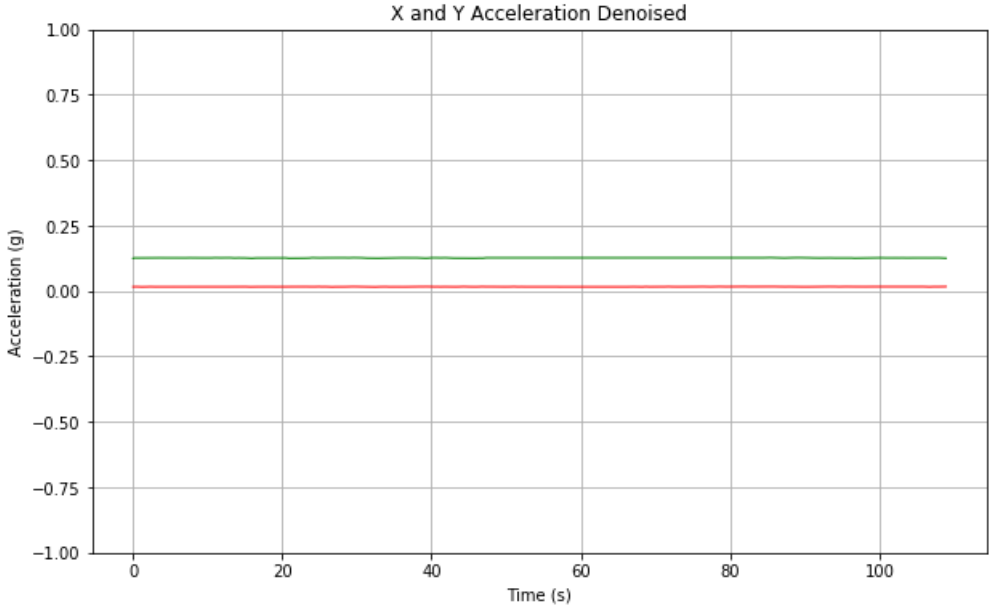


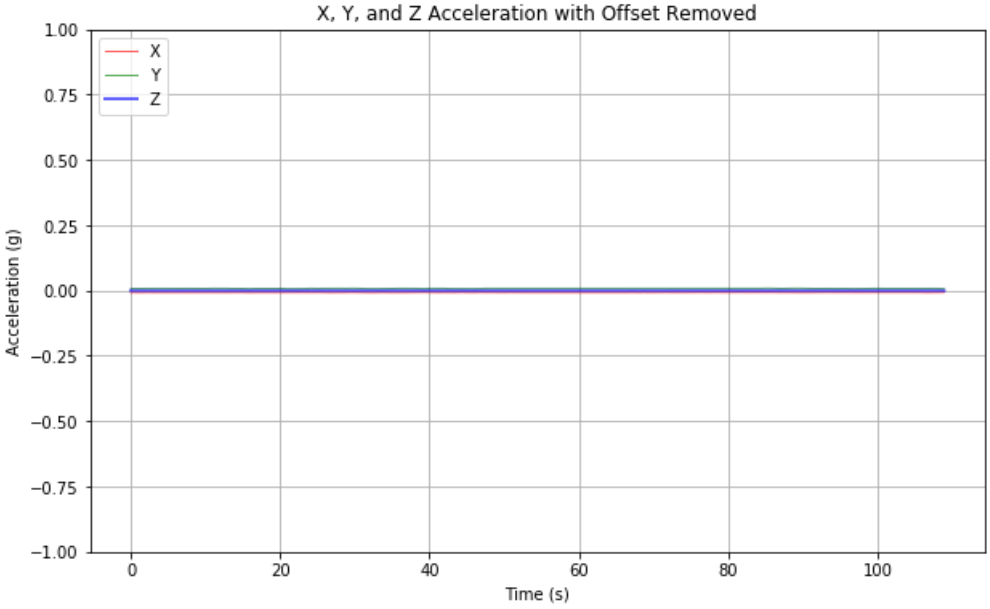


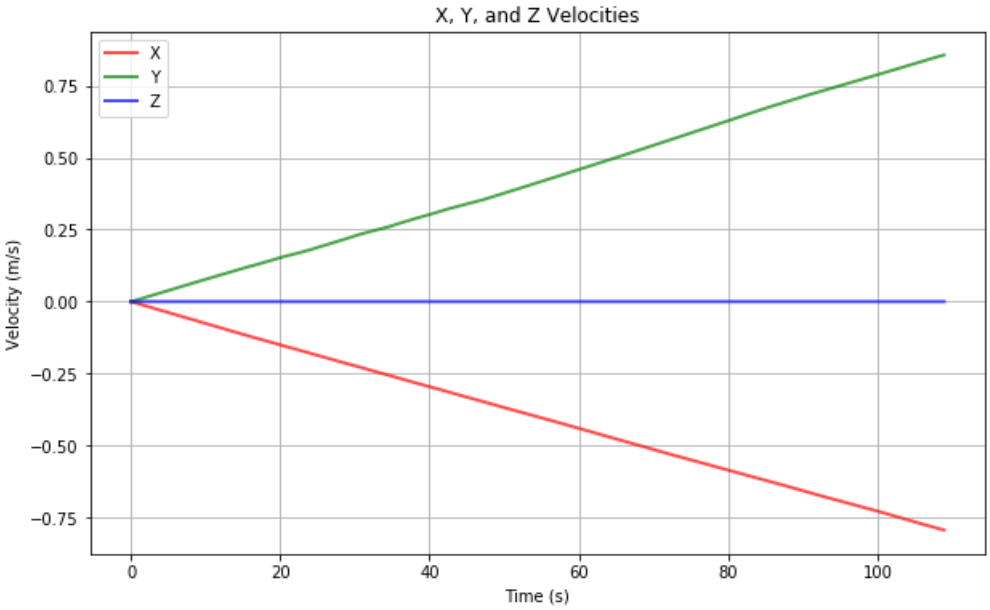


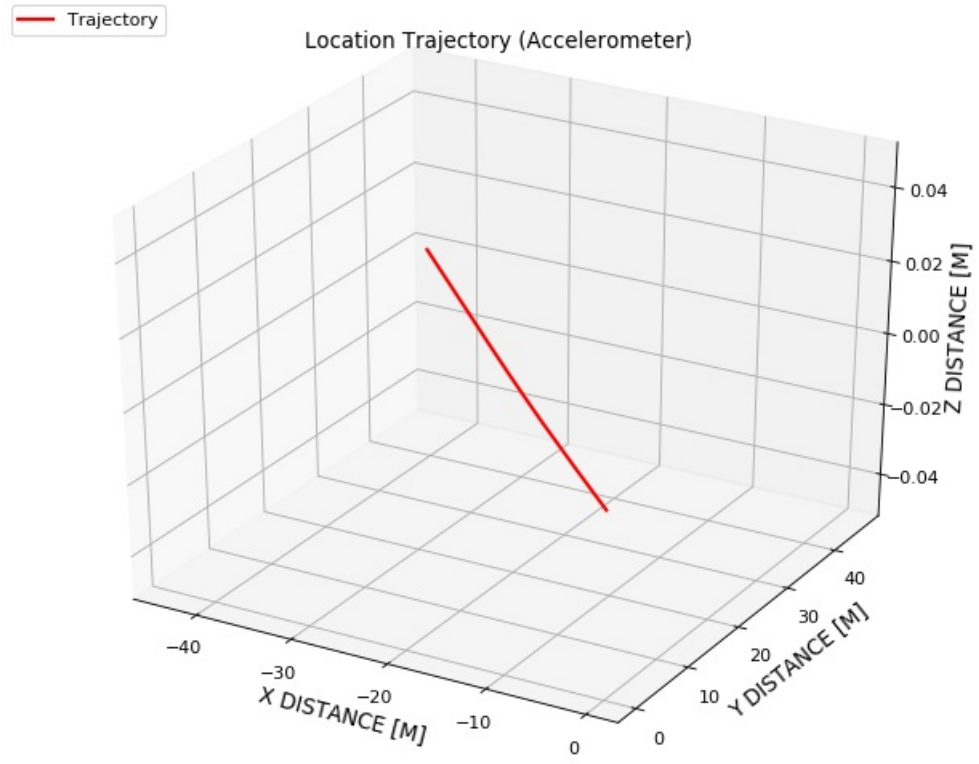


C:\Users\Andre\Anaconda3\lib\site-packages\scipy\signal_arraytools.py:45: FutureWarning: Using a non-tuple sequence for multidimensional indexing is deprecated; use `arr[tuple(seq)]` instead of `arr[seq]`. In the future this will be interpreted as an array index, `arr[np.array(seq)]`, which will result either in an error or a different result.
  b = a[a_slice]

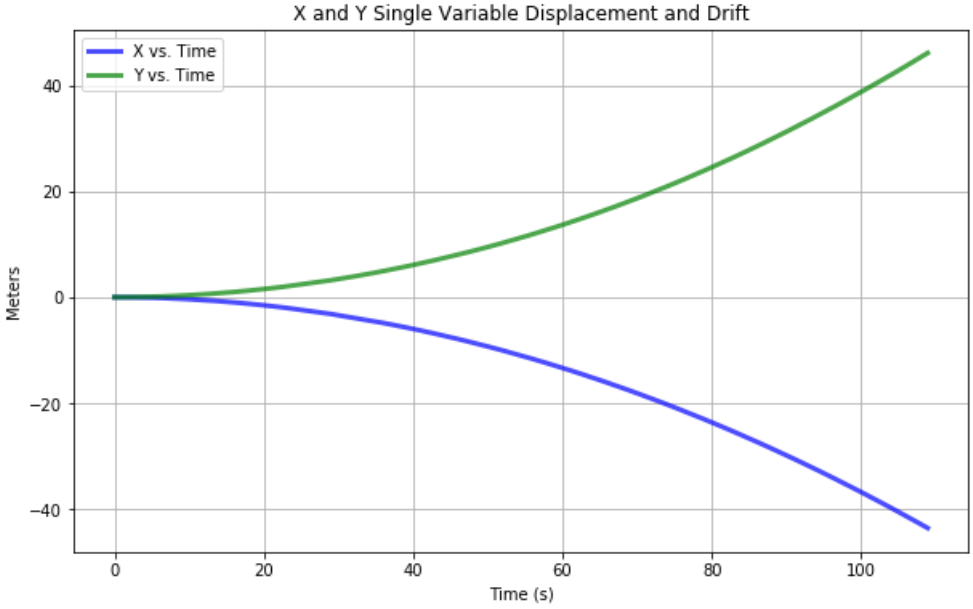



X, Y, and Z Acceleration with Offset Removed
X
Y
Z
Acceleration (g)
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
−1.00
0
20
40
60
80
100
Time (s)


X, Y, and Z Velocities
X
Y
Z
Velocity (m/s)
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75
0
20
40
60
80
100
Time (s)


Trajectory
Location Trajectory (Accelerometer)
0.04
0.02
0.00
−0.02
−0.04
Z DISTANCE [M]
−40
−30
−20
−10
0
X DISTANCE [M]
0
10
20
30
40
Y DISTANCE [M]


2D Trajectory ((X, Y) Coordinates))
Y Distance (m)
40
30
20
10
0
−40
−30
−20
−10
0
X Distance (m)


X and Y Single Variable Displacement and Drift
X vs. Time
Y vs. Time
Meters
Time (s)
40
20
0
−20
−40
0
20
40
60
80
100

In [1]:

In [2]: