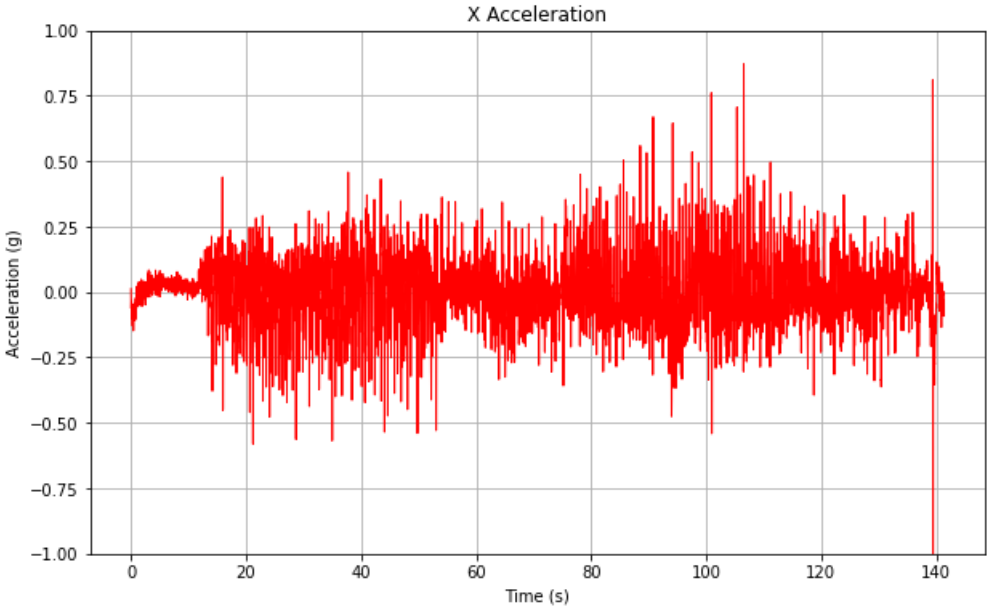
Python 3.7.1 (default, Dec 10 2018, 22:54:23) [MSC v.1915 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

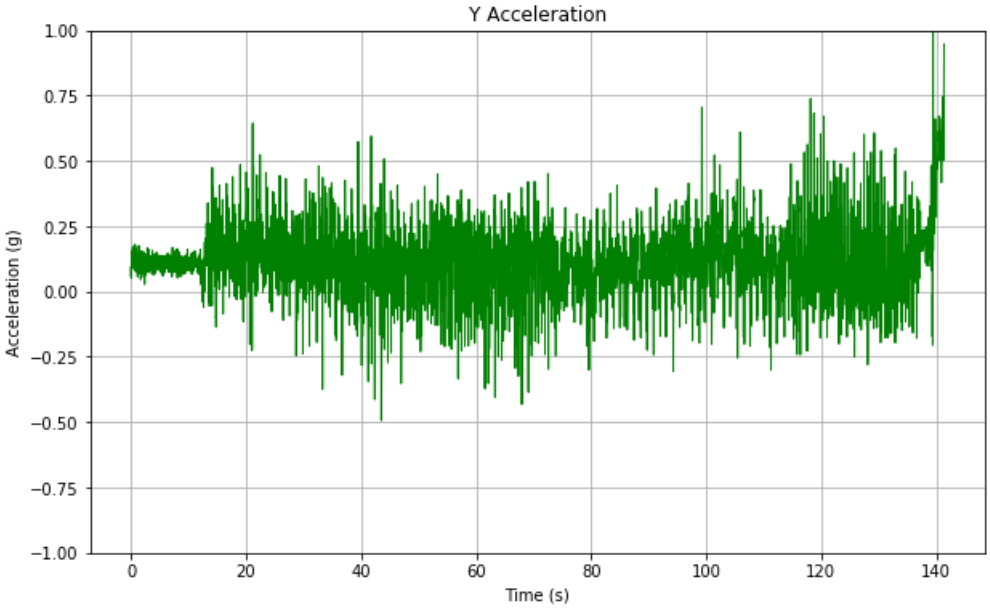
IPython 7.2.0 -- An enhanced Interactive Python.

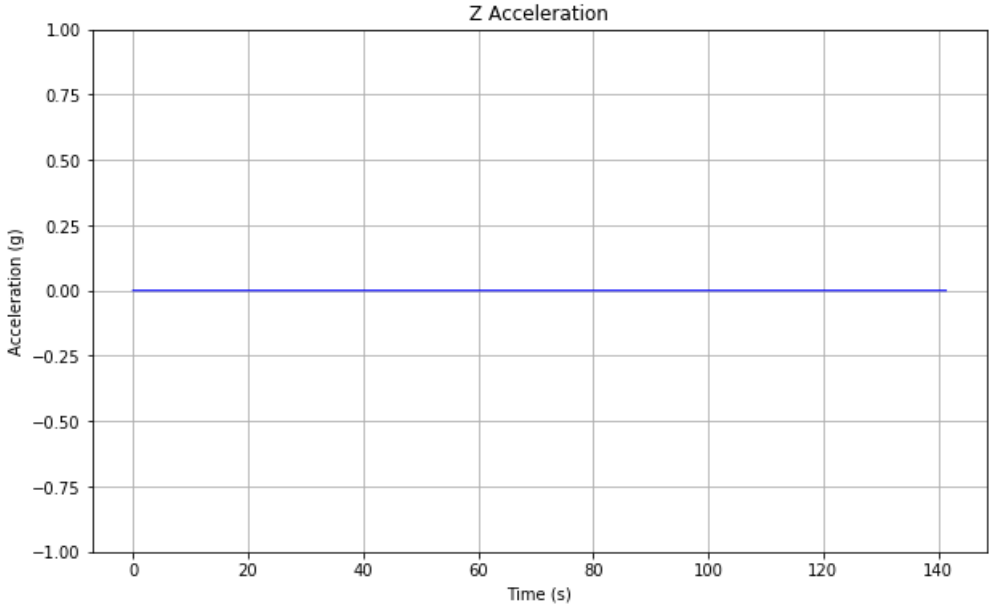
Restarting kernel...

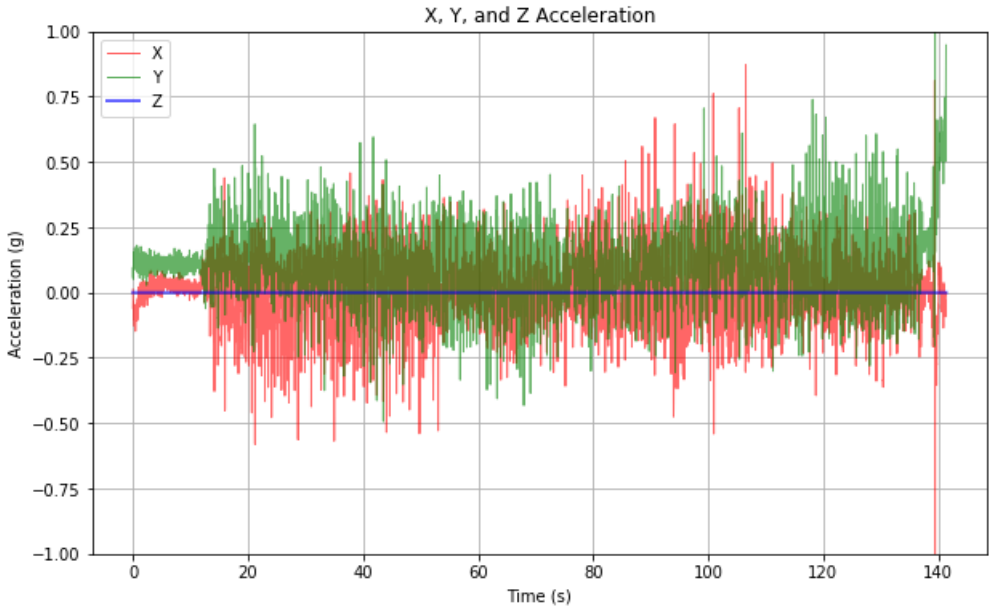
In [1]: runfile('C:/Users/Andre/Desktop/April 1 2019 Data/Data Stitcher.py', wdir='C:/Users/Andre/Desktop/April 1 2019 Data')

*** FILE METRICS ***
Square2.csv is being analyzed
File size: 0.90 MB
Samples: 14129
Time elapsed: 141.352 s

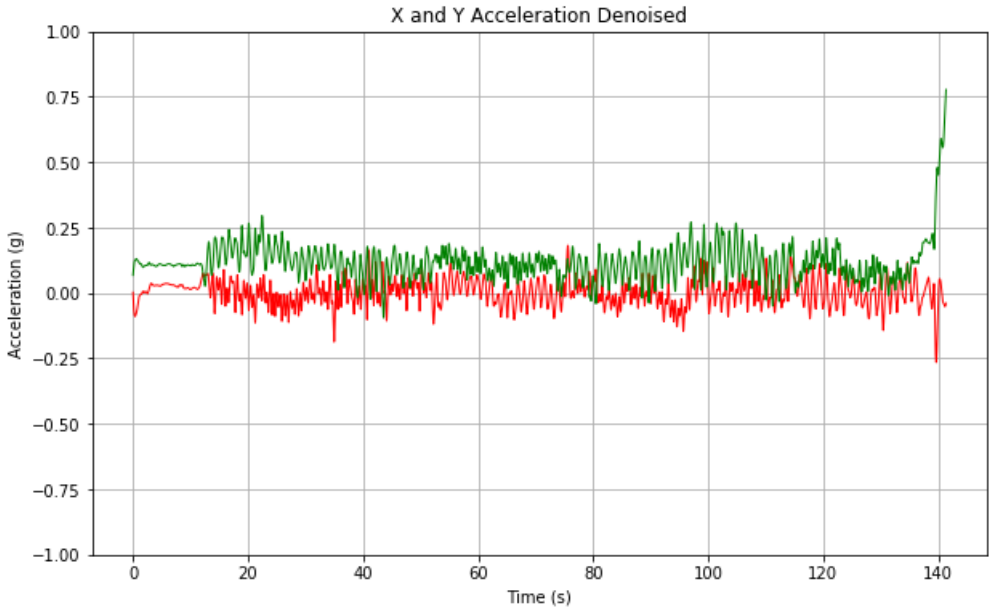


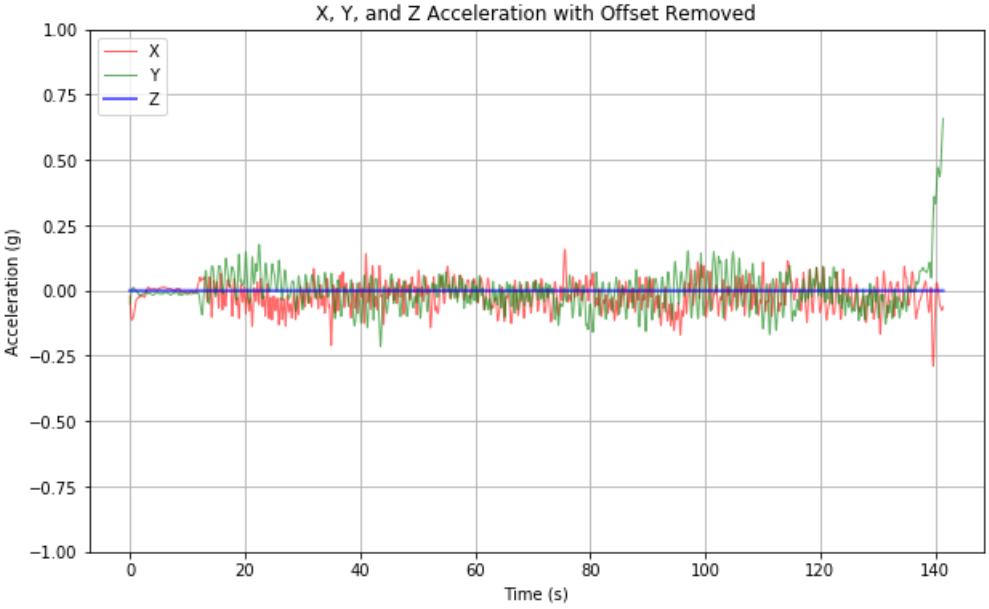


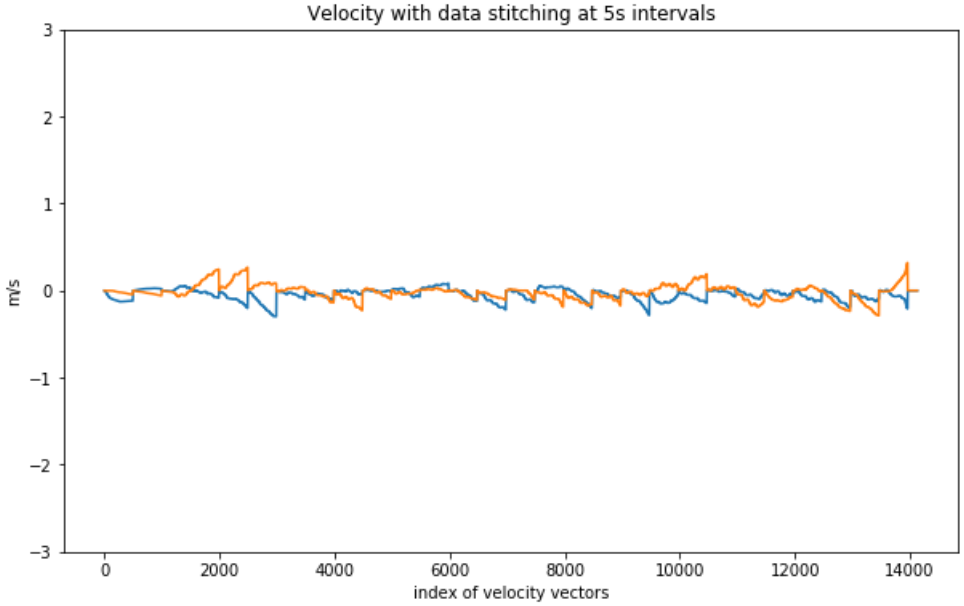


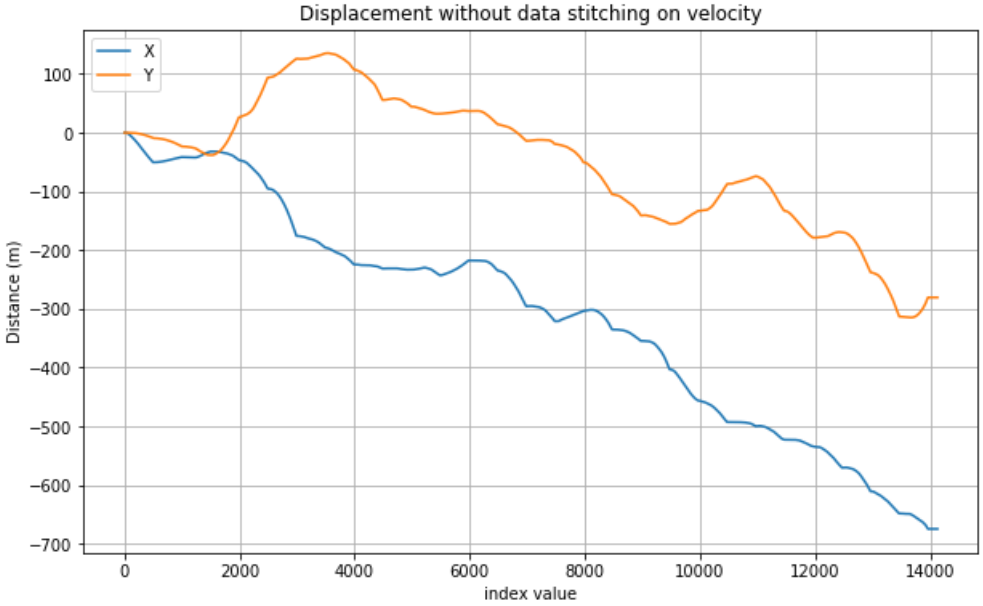


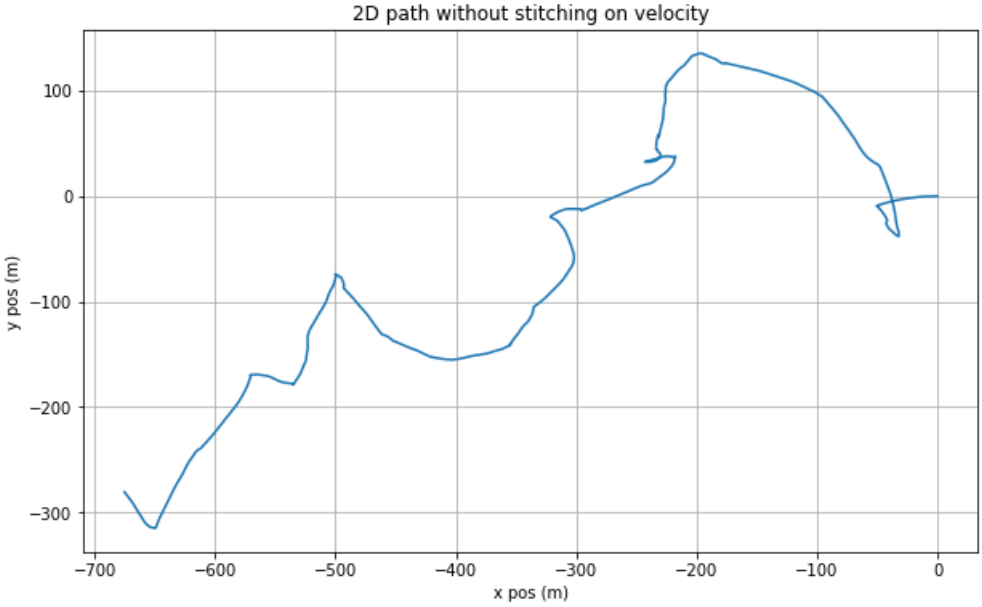
C:\Users\Andre\Anaconda3\lib\site-packages\scipy\signal_arraytools.py:45: FutureWarning: Using a non-tuple sequence for multidimensional indexing is deprecated; use `arr[tuple(seq)]` instead of `arr[seq]`. In the future this will be interpreted as an array index, `arr[np.array(seq)]`, which will result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



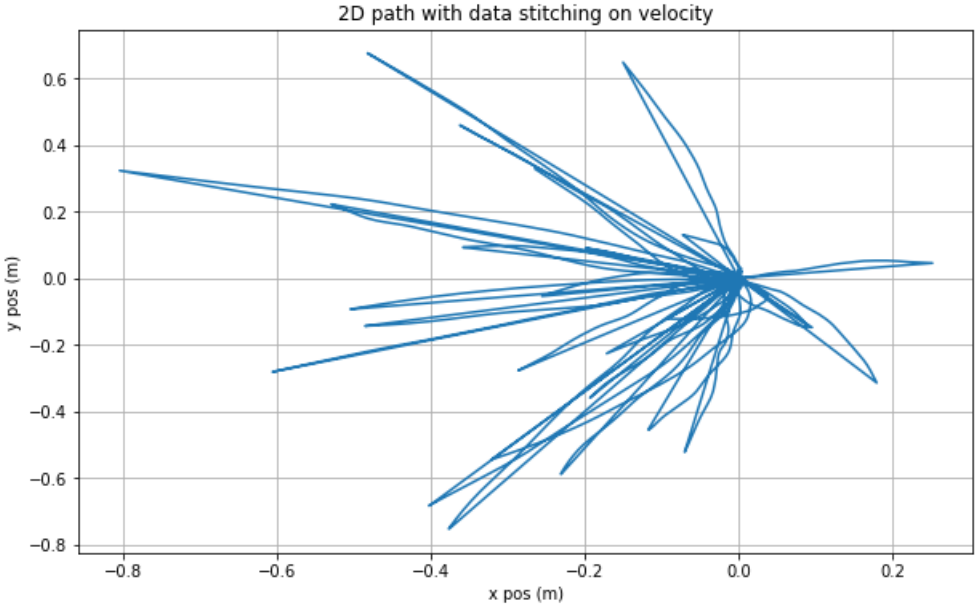

X, Y, and Z Acceleration with Offset Removed
X
Y
Z
Acceleration (g)
Time (s)

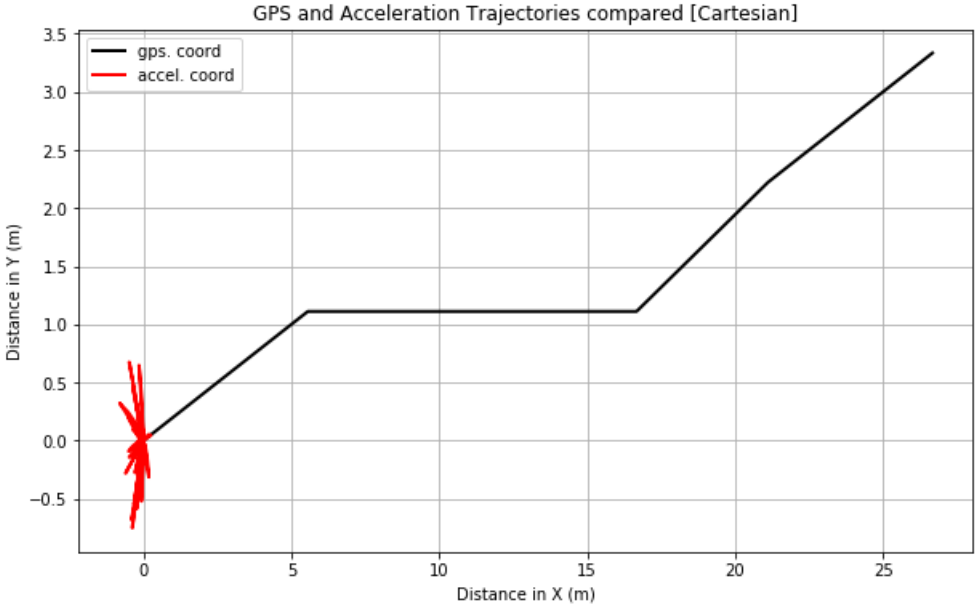

Velocity with data stitching at 5s intervals
m/s
index of velocity vectors


Displacement without data stitching on velocity
X
Y
Distance (m)
index value


2D path without stitching on velocity
y pos (m)
x pos (m)
100
0
−100
−200
−300
−700
−600
−500
−400
−300
−200
−100
0


Displacement with data stitching on velocity
X
Y
Distance (m)
index value
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
0
2000
4000
6000
8000
10000
12000
14000


2D path with data stitching on velocity
y pos (m)
x pos (m)
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−0.8
−0.6
−0.4
−0.2
0.0
0.2


GPS and Acceleration Trajectories compared [Cartesian]
gps. coord
accel. coord
Distance in Y (m)
Distance in X (m)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
0
5
10
15
20
25

In [2]: