

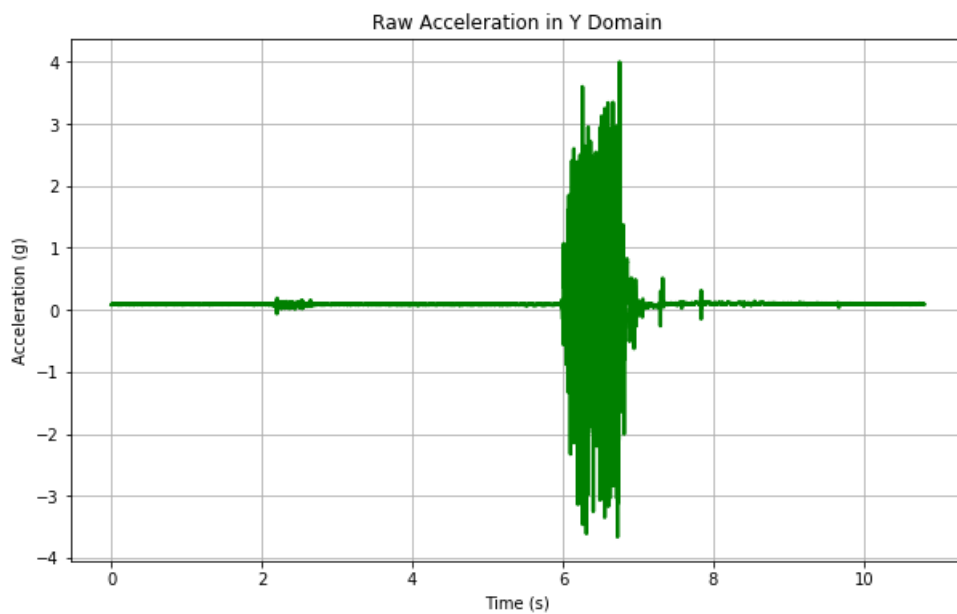
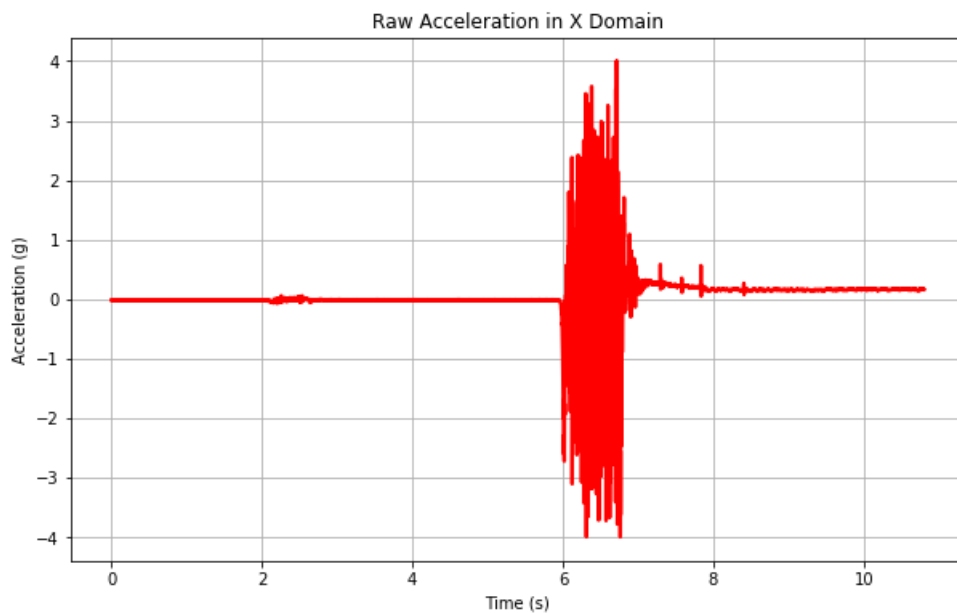
Python 3.7.0 (default, Jun 28 2018, 08:04:48) [MSC v.1912 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

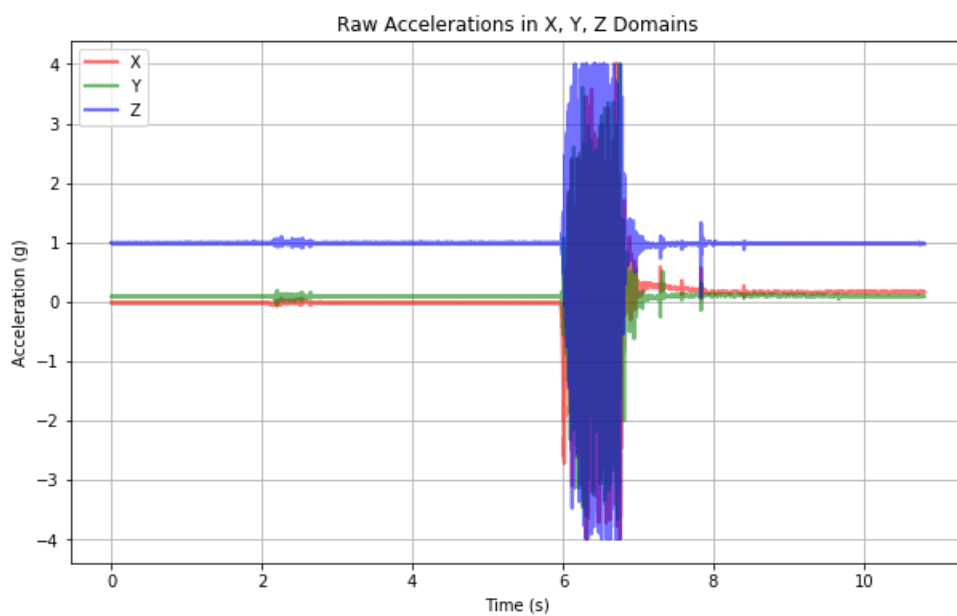
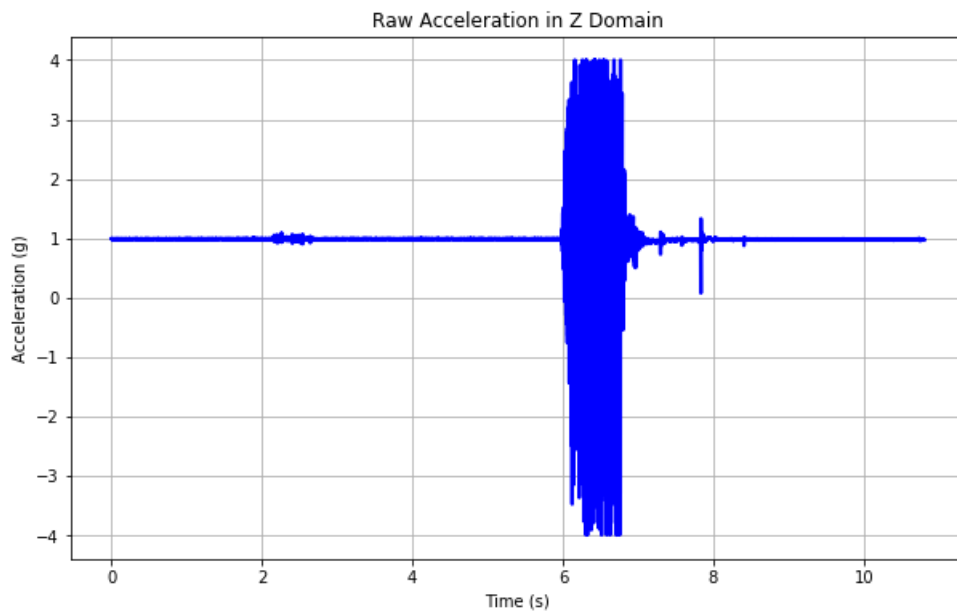
IPython 6.5.0 -- An enhanced Interactive Python.

Restarting kernel...

```
runfile('C:/Users/Andre/Desktop/Senior Design/Acceleration Algorithm [3.0].py', wdir='C:/Users/Andre/Desktop/Senior Design')
C:\Users\Andre\Anaconda3\lib\site-packages\ipykernel\parentpoller.py:116: UserWarning: Parent poll failed. If the frontend dies,
the kernel may be left running. Please let us know
about your system (bitness, Python, etc.) at
ipython-dev@scipy.org
ipython-dev@scipy.org"""
THIS IS AN ANALYZER DESIGNED FOR DATAFRAMES GENERATED BY METAMOTIONR 3AXIS ACCELEROMOTERS
THE ANALYSES REQUIRE THAT ANY TESTS PERFORMED HAVE 1-2S OF STATIONARY DATA BEFORE EXPERIMENT BEGINS
```

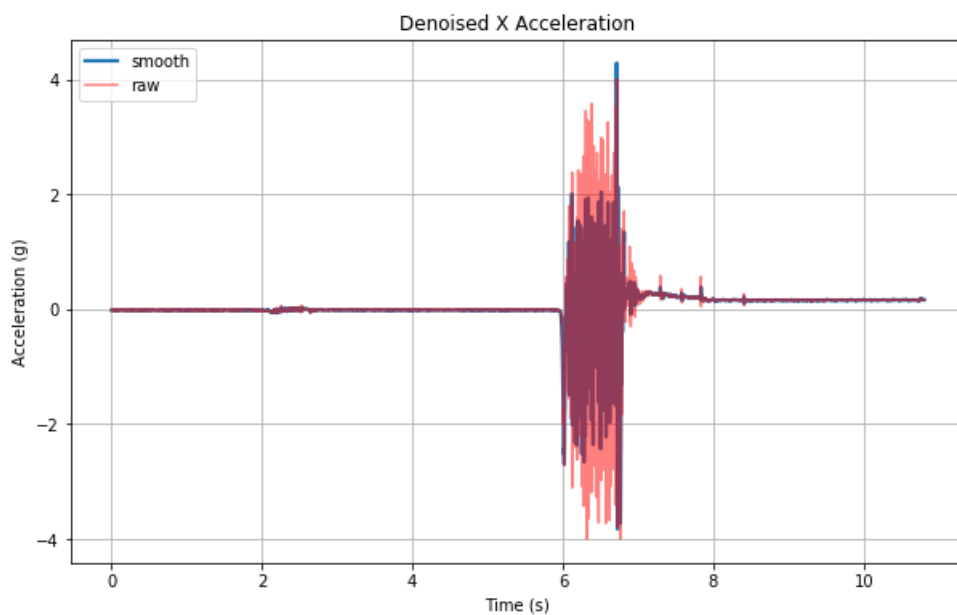
```
*** FILE METRICS ***
Semester 2 -X Test2 800Hz +- 4Gs Jan 29 2019.csv is being analyzed
Data Size: 0.54 MB
Samples: 8621
Time elapsed: 10.802999999999999 s
```

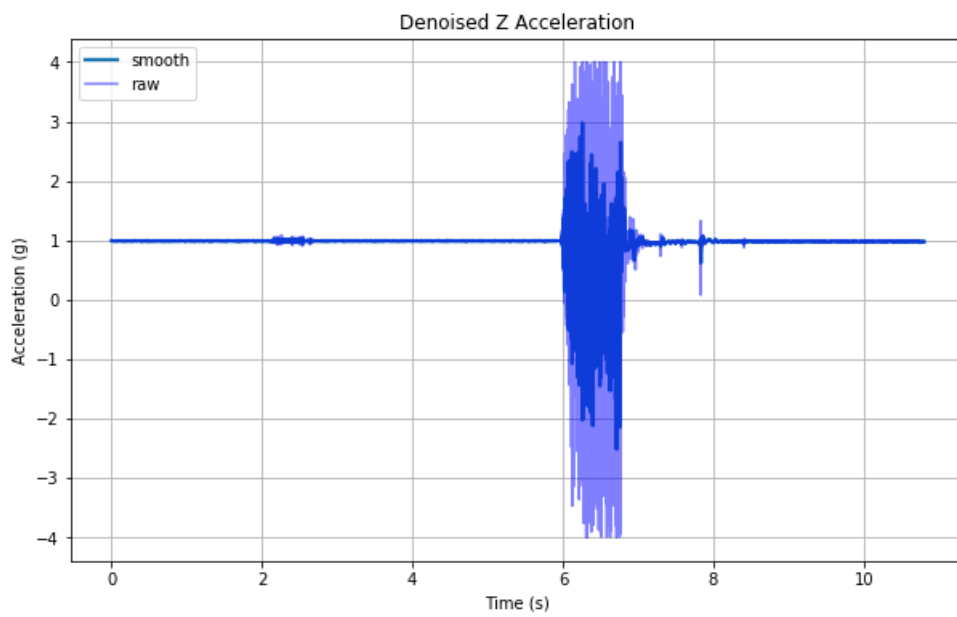
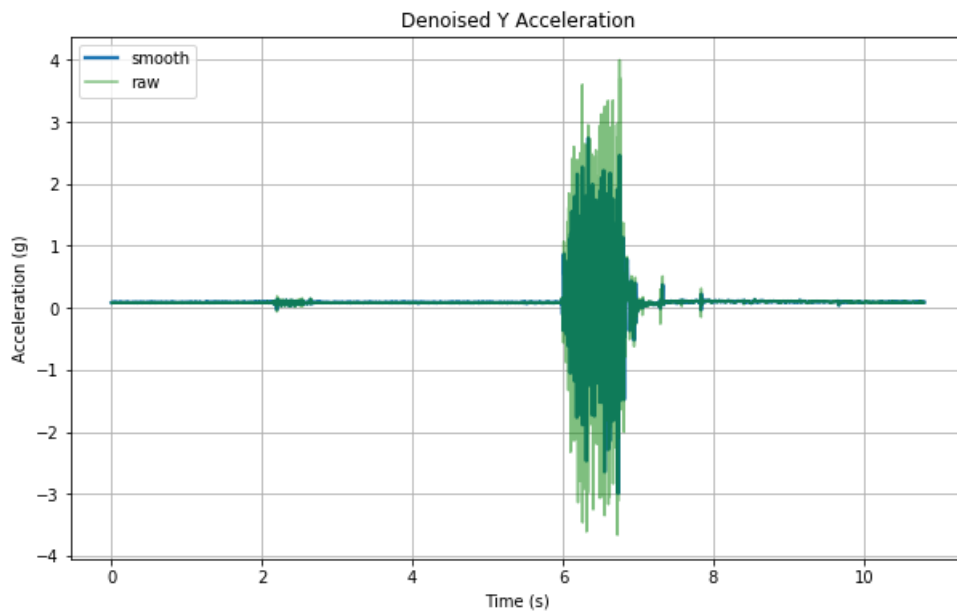




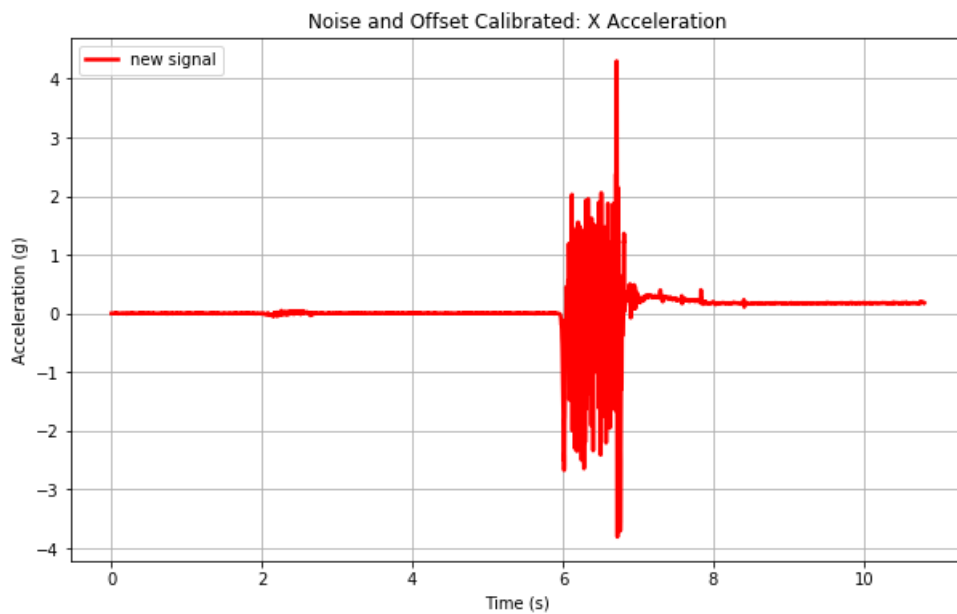
C:\Users\Andre\Anaconda3\lib\site-packages\scipy\signal_arraytools.py:45: FutureWarning: Using a non-tuple sequence for multidimensional indexing is deprecated; use 'arr[tuple(seq)]' instead of 'arr[seq]'. In the future this will be interpreted as an array index, 'arr[np.array(seq)]', which will result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

b = a[a_slice]

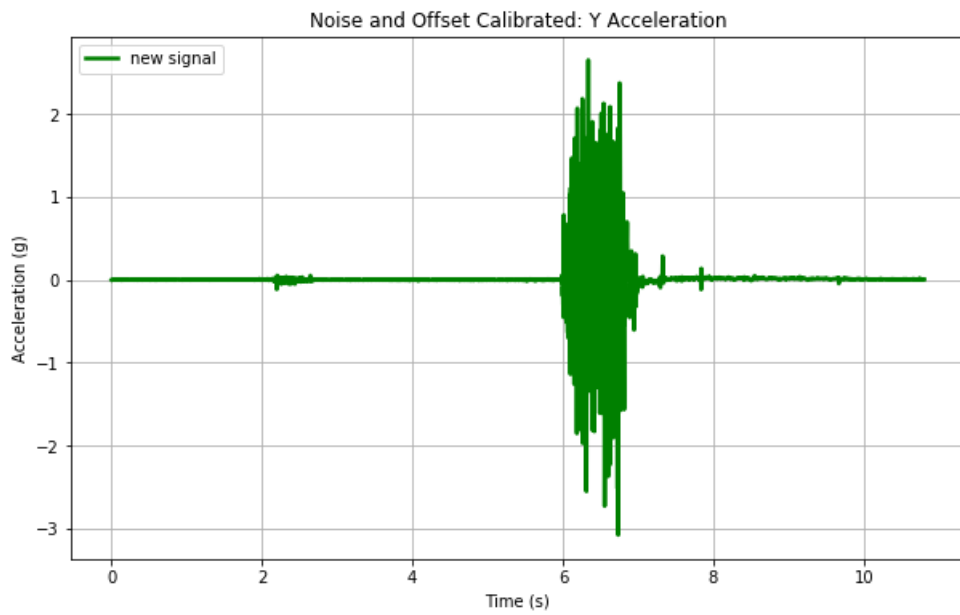




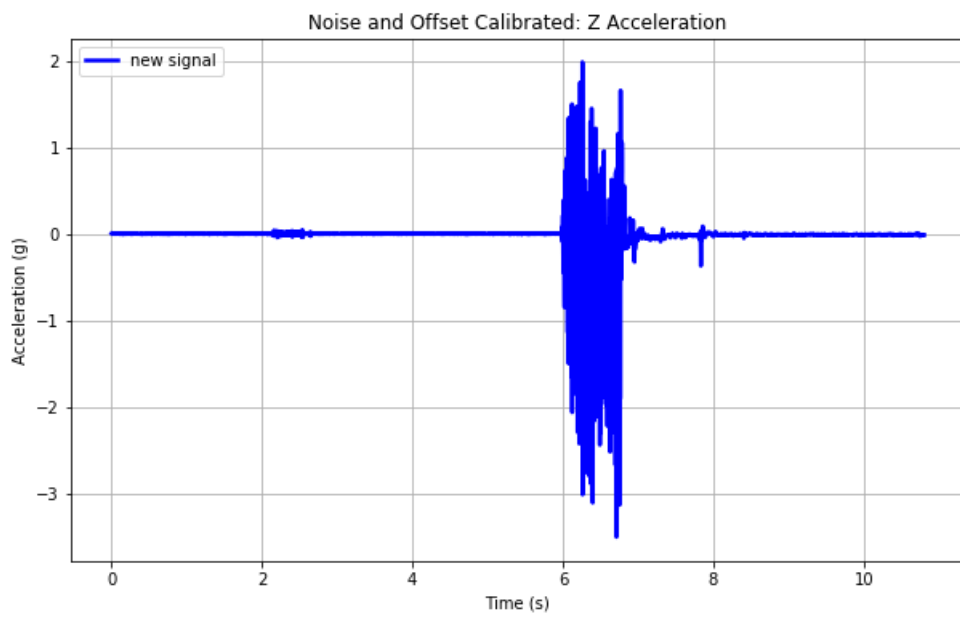
Offset first 200 samples X: %.4f -0.01875551875020443
 Offset first 200 samples Y: %.4f 0.08702149968394086
 Offset first 200 samples Z: %.4f 0.012783010959668717



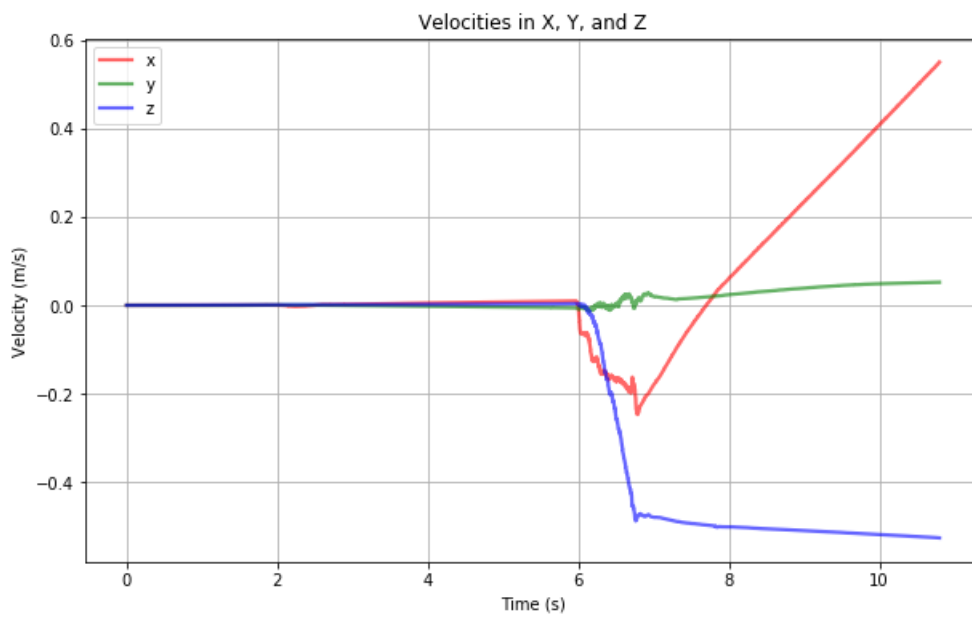
Updated Offset first 200 samples: 1.5959455978986626e-18



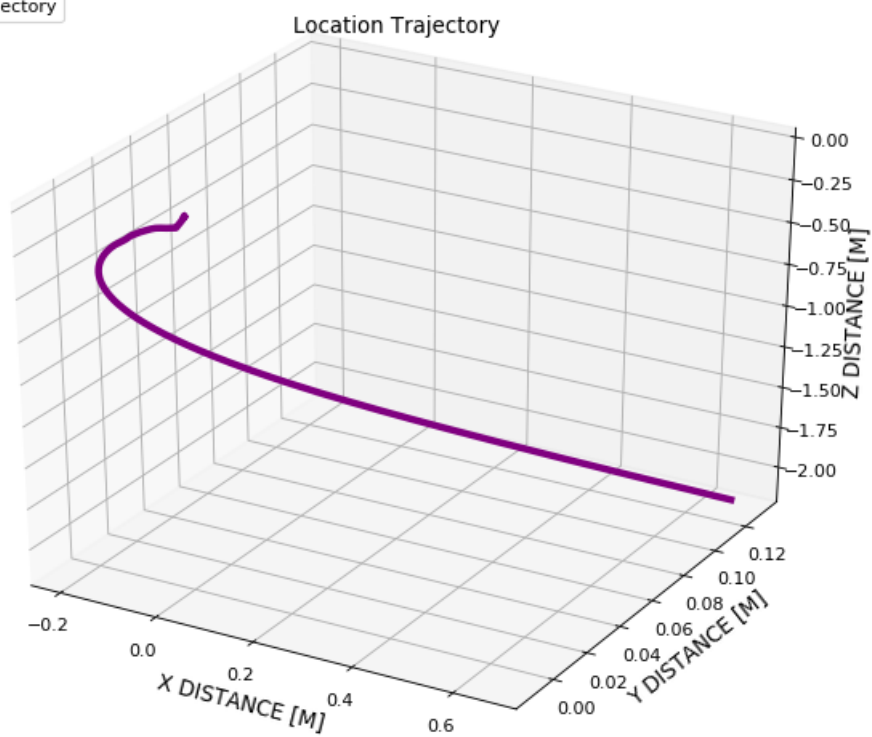
Updated Offset first 200 samples: 1.3322676295501878e-17



Updated Offset first 200 samples: 9.159339953157541e-17



— Trajectory



In [1]:

In [2]: