

Python 3.7.0 (default, Jun 28 2018, 08:04:48) [MSC v.1912 64 bit (AMD64)]
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IPython 6.5.0 -- An enhanced Interactive Python.

Restarting kernel...

```
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""")
```

In [1]: runfile('C:/Users/Andre/Desktop/Senior Design/Acceleration Algorithm [3.0].py', wdir='C:/Users/Andre/Desktop/Senior Design')
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

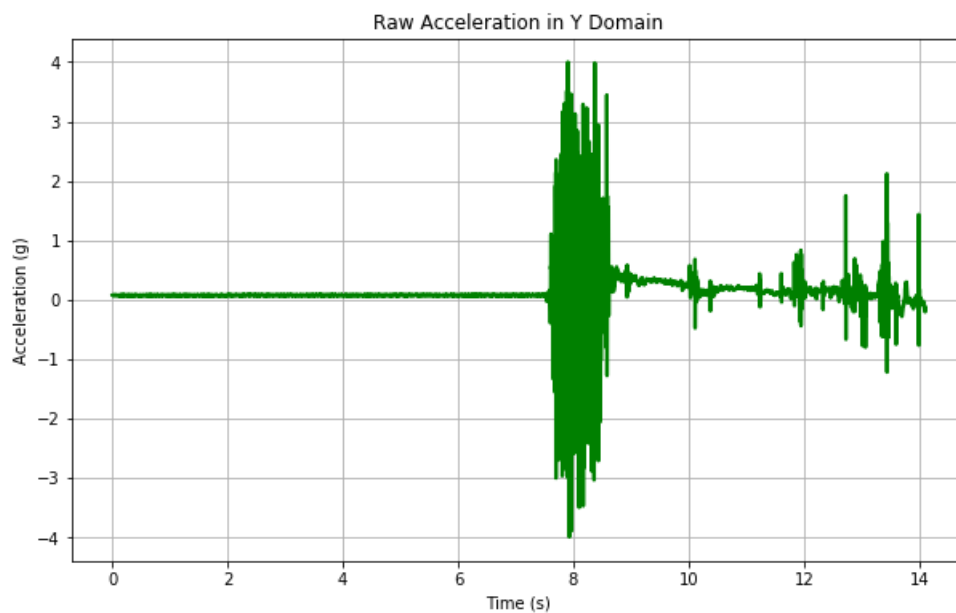
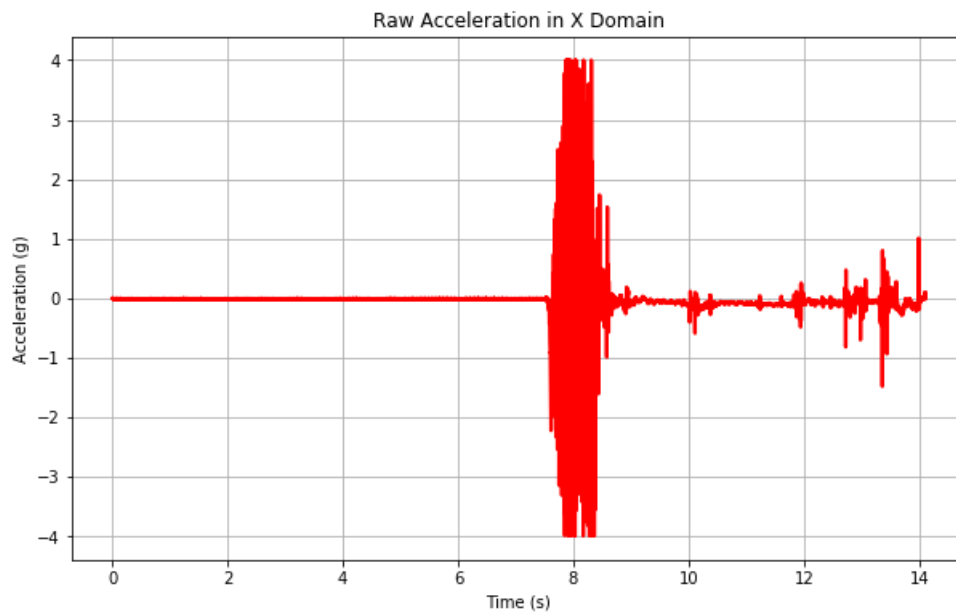
*** FILE METRICS ***

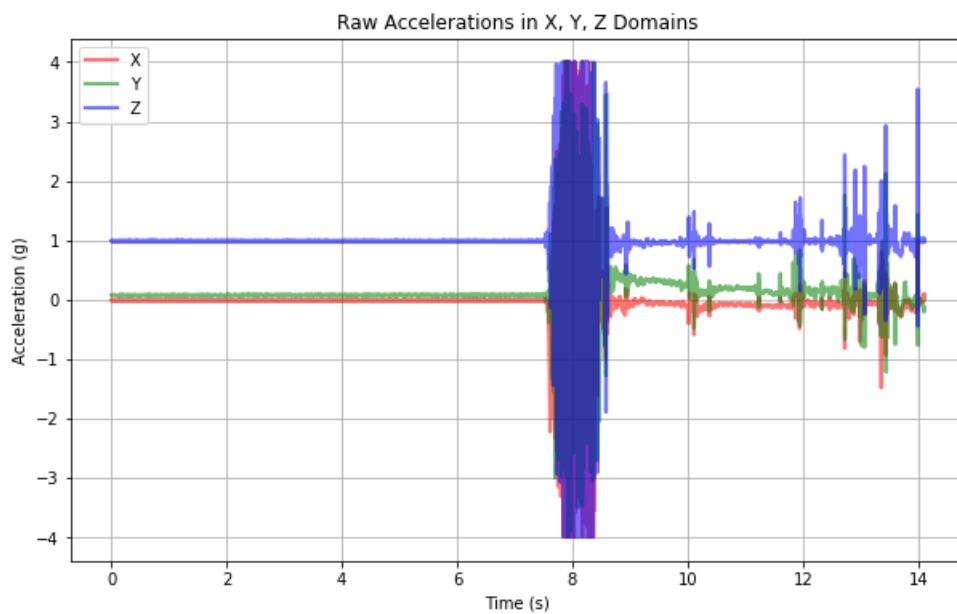
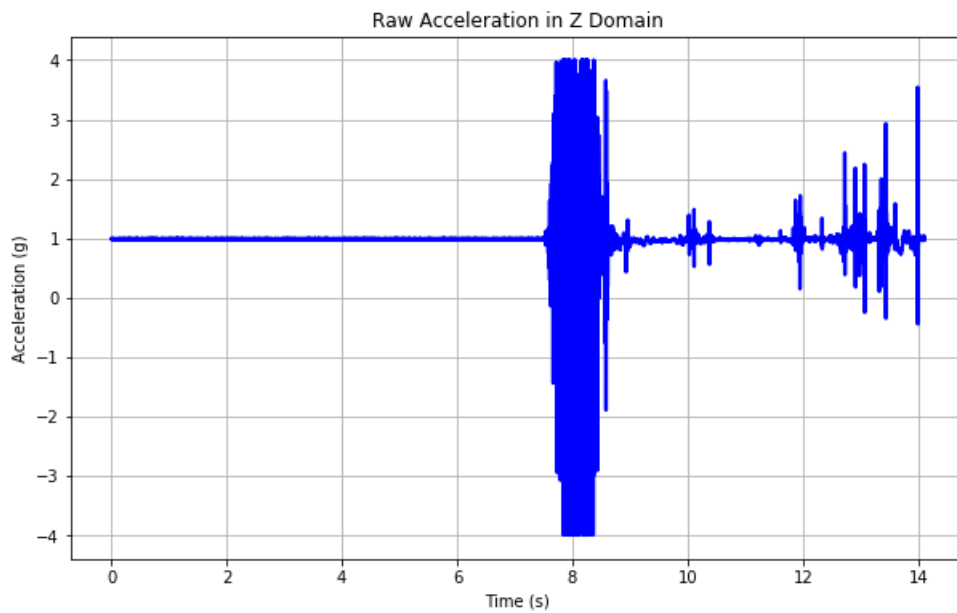
Semester 2 -X Test1 800Hz +- 4Gs Jan 29 2019.csv is being analyzed

Data Size: 0.71 MB

Samples: 11259

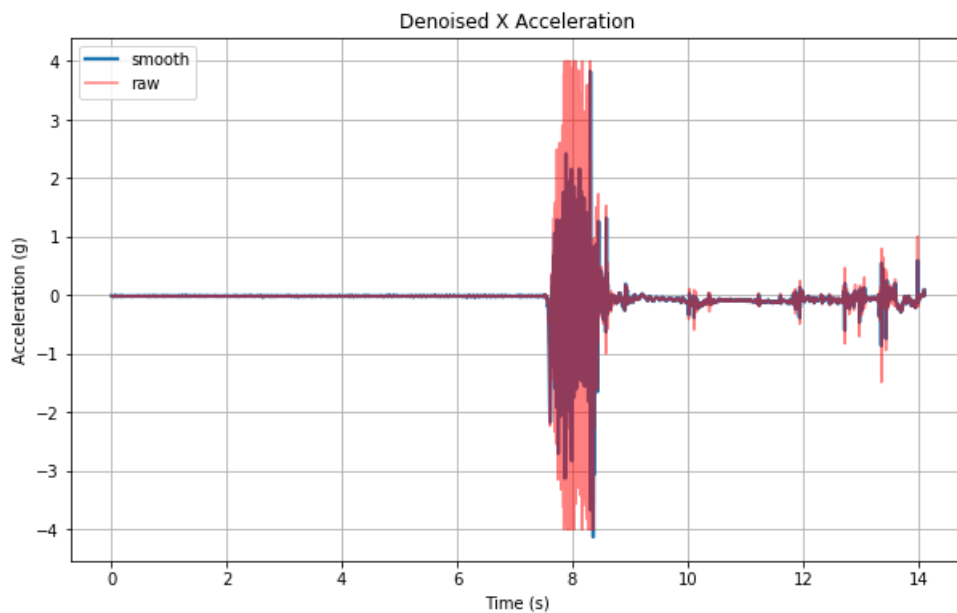
Time elapsed: 14.107999999999999 s

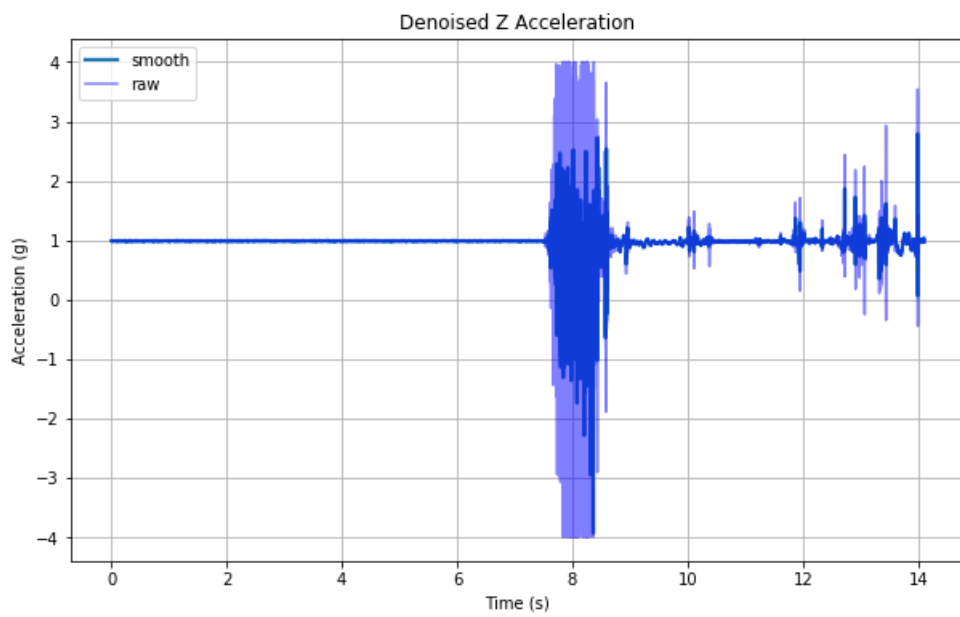
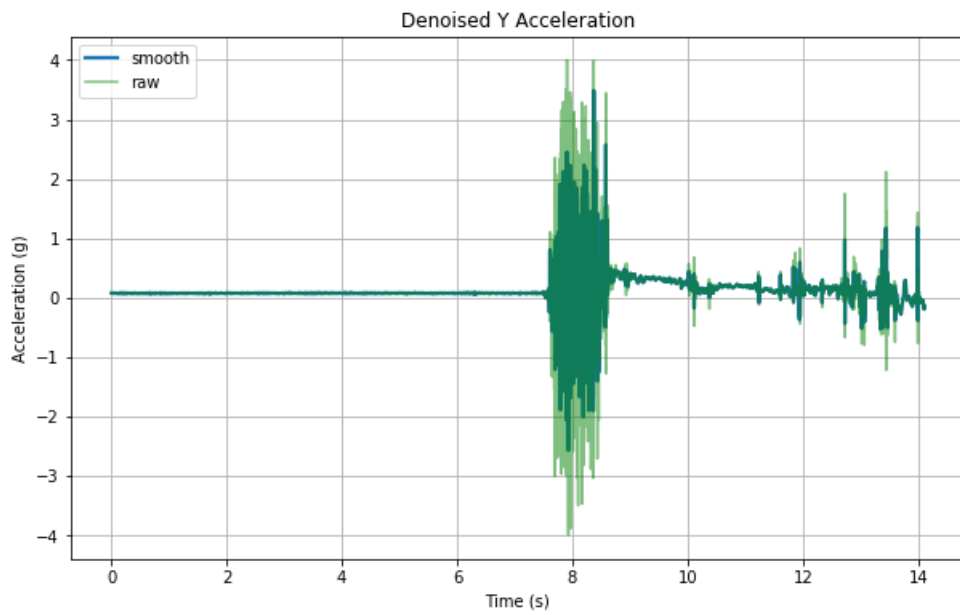




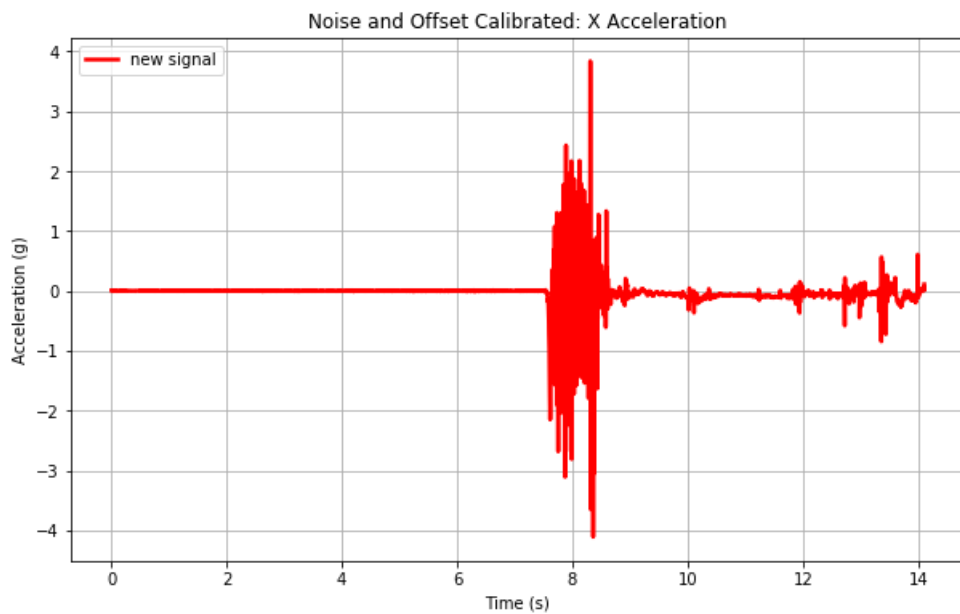
C:\Users\Andre\Anaconda3\lib\site-packages\scipy\signal_arraytools.py:45: FutureWarning: Using a non-tuple sequence for multidimensional indexing is deprecated; use 'arr[tuple(seq)]' instead of 'arr[seq]'. In the future this will be interpreted as an array index, 'arr[np.array(seq)]', which will result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

b = a[a_slice]

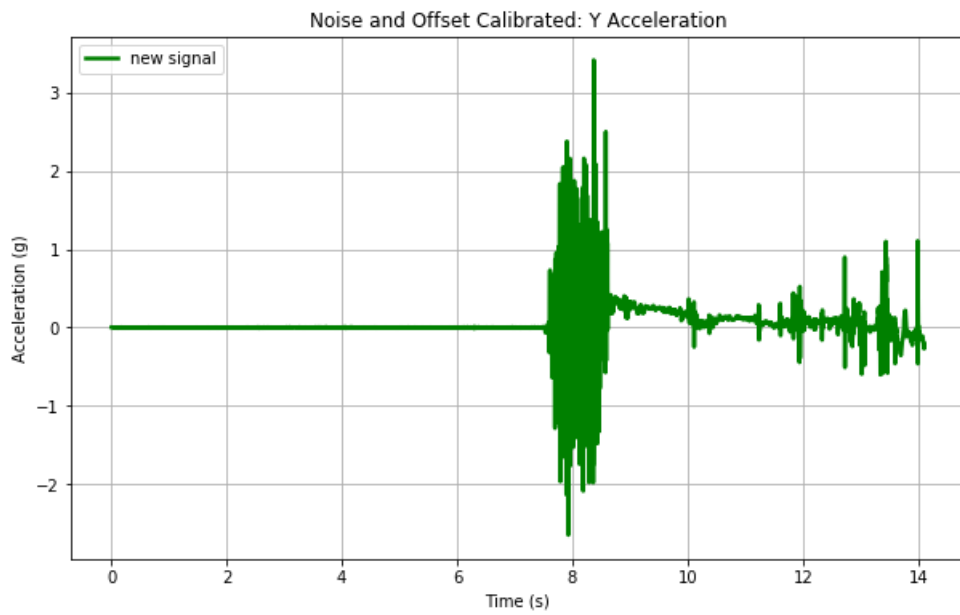




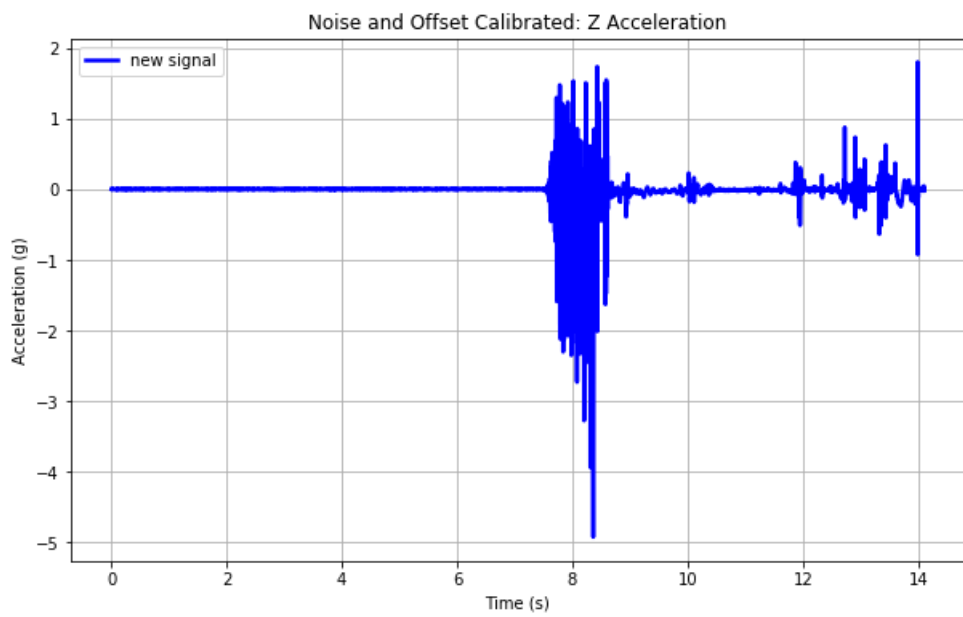
Offset first 200 samples X: %.4f -0.014491263815094009
 Offset first 200 samples Y: %.4f 0.07213229758789326
 Offset first 200 samples Z: %.4f 0.012467887628750174



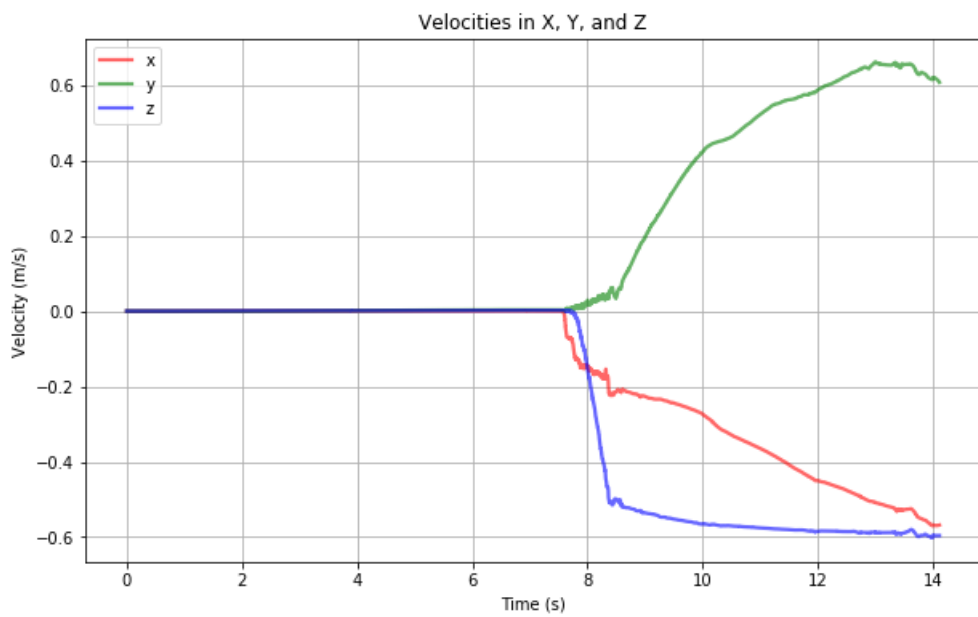
Updated Offset first 200 samples: -3.469446951953614e-20



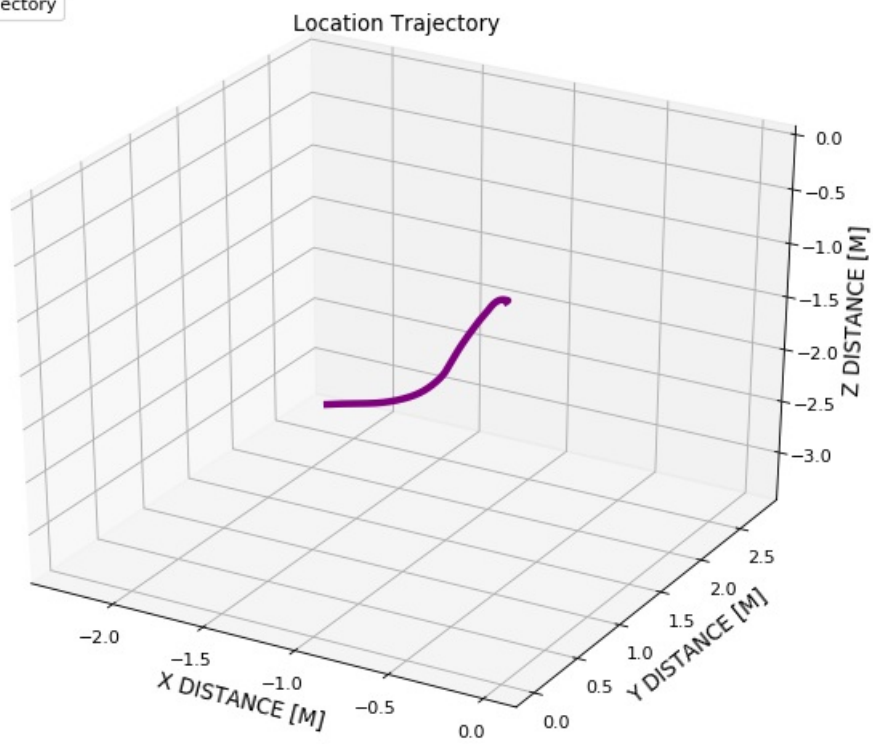
Updated Offset first 200 samples: -3.95516952522712e-18



Updated Offset first 200 samples: -9.936496070395151e-17



— Trajectory



In [2]: