

## README

Welcome to TOBIAS README documentation. This documentation is meant to act as a guide for users of the TOBIAS data analyser for version 1.0.0.

\*\*\*NOTES\*\*\* This guide is only meant for version 1.0.0, please make sure to check the version of your application at the bottom left of the start screen for your app

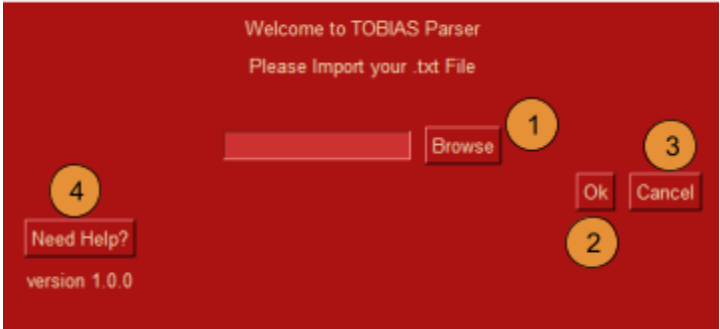
\*This guide remains unfinished

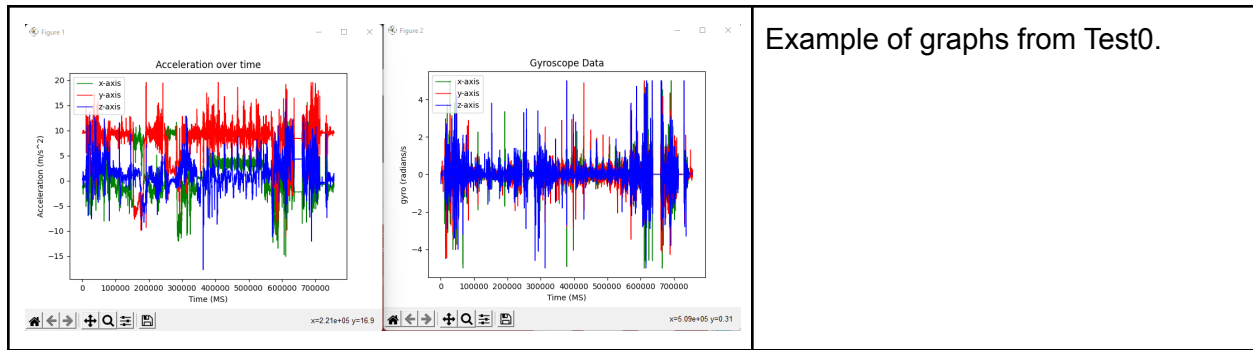
This app is intended to be used to create graphs from a text file containing data. It collects data on Temperature, Pressure, Altitude, Acceleration (3 axis), Gyroscope measurements (3 axis), and time in microseconds. Please see for more information in regard to the actual data collection and forming of the text file please see <https://github.com/arizmendi-luis/TOBIAS-TowbodyIMUDataCollection>. Please refer to the .txt files in this folder to see how the text files should be formatted.

After downloading from github:

Please open the file (extract as necessary) and open the executable file. Then refer to the guide for help.

Guide:

|   |  |
|---|--|
|  | <p>Upon running the executable, this window will open, hit the browse button (1) to choose a text(.txt) file that is intended to be graphed.</p> <p>Next click ok (2) to create the graphs. This may take a while and the window may say it's not responding but this should only be a concern if your text file is small and the application takes over a minute to create the graphs.</p> <p>Click Cancel (3) to quit the program.</p> <p>Click Need Help (4) to open documentation (this pdf)</p> |
|---|--|



Example of graphs from Test0.

\* The app uses matplotlib to create graphs and pandas to parse through text files

Contributors: Luis Arizmendi [larizmen@stanford.edu](mailto:larizmen@stanford.edu)