Analysis of Walking Data

- **Latitude vs Longitude**

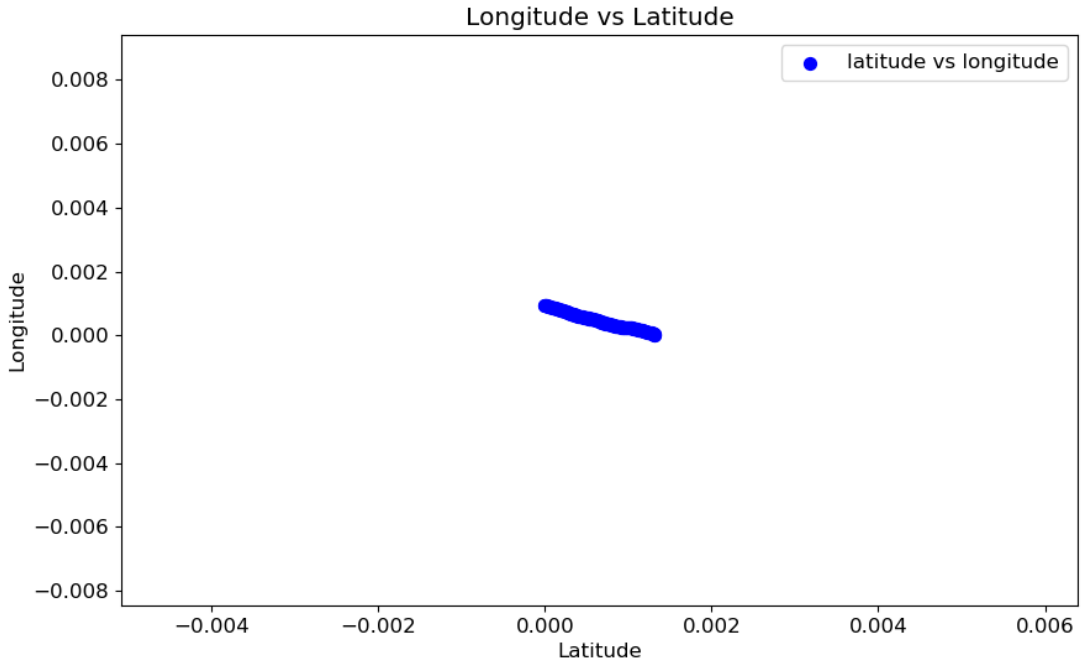

Fig 1: Latitude vs Longitude

The plot displays the latitude vs longitude data, which represents the straight path taken during the walk. From the fig 1.2, the points in the plot follow a logical path without sudden jump or inaccuracies so the GPS navigation is reliable. There is a minor variations but the GPS is reliable.

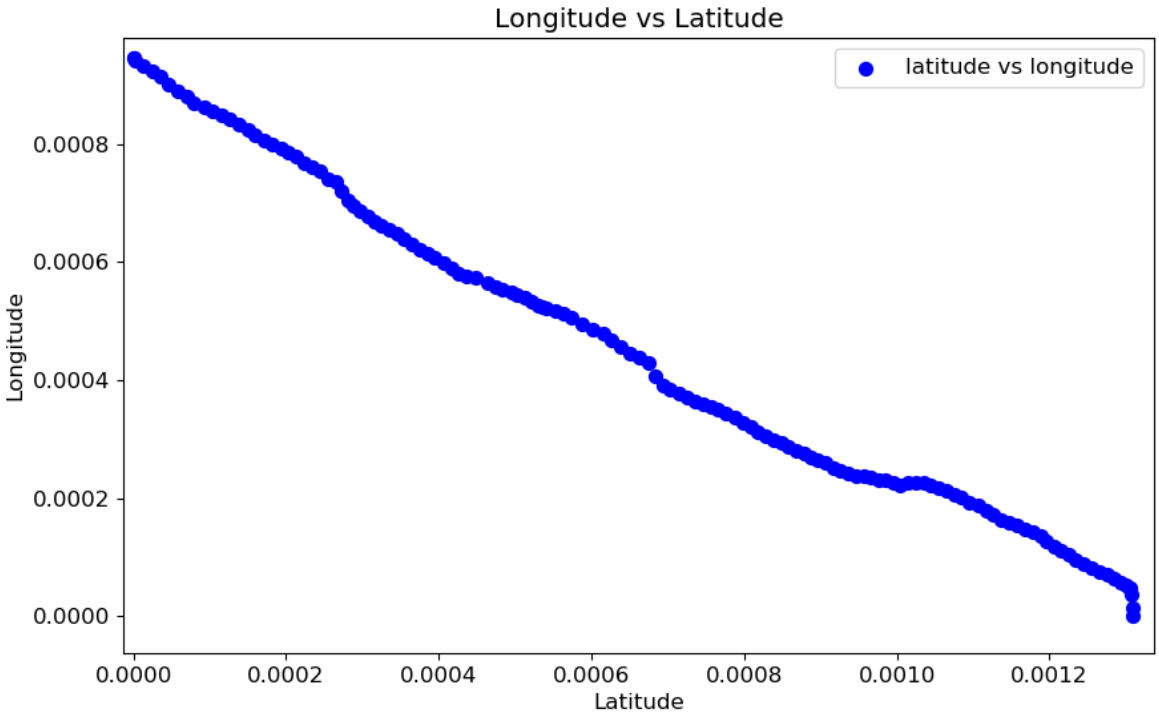

Fig 1.2: Latitude vs Longitude (ZOOM)

- **UTM Easting vs UTM Northing**

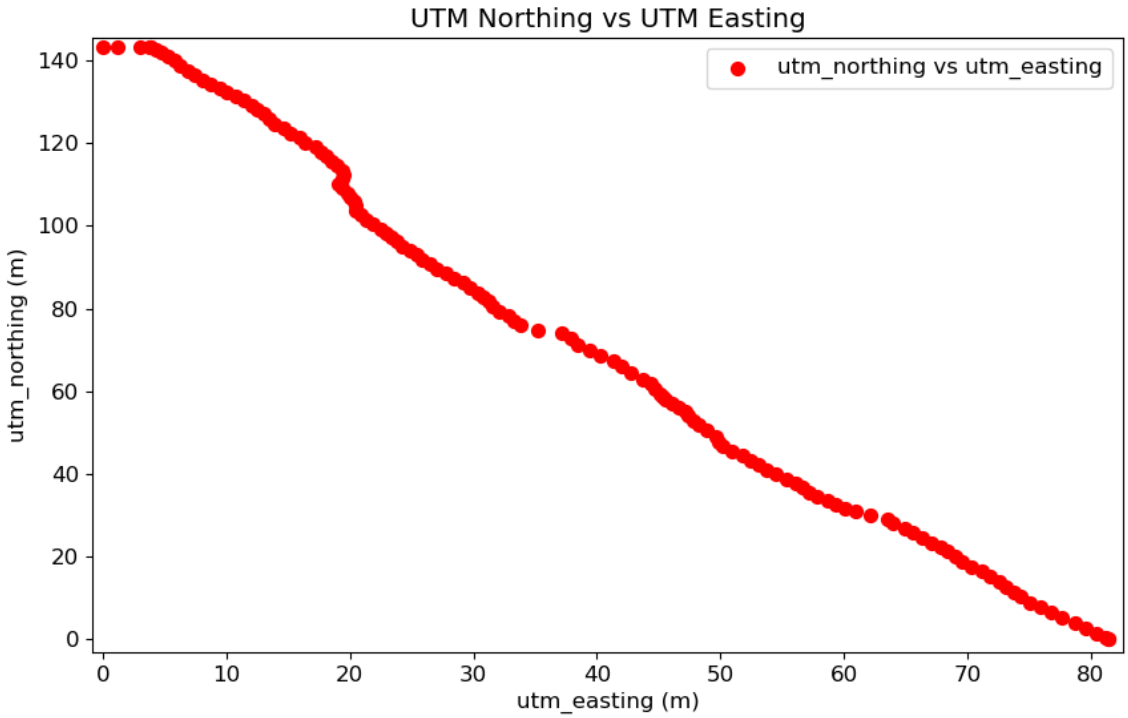

Fig 2: UTM Easting vs UTM Northing

The plot allows to see the path taken during the walk in a two-dimensional space. By examining the plot, it indicates that the GPS error is low and assess the quality of GPS Navigation during the walk. The points in the plot forms a relatively straight line, it indicates accurate and consistent GPS positioning. Some minor variations in the plot shows a potential errors and inaccuracies in the GPS data

- ## Altitude vs Time

The Altitude vs Time plot in fig 3 indicates that the altitude remains relatively consistent throughout time. Altitude changes may reflect GPS altitude errors and environmental conditions.

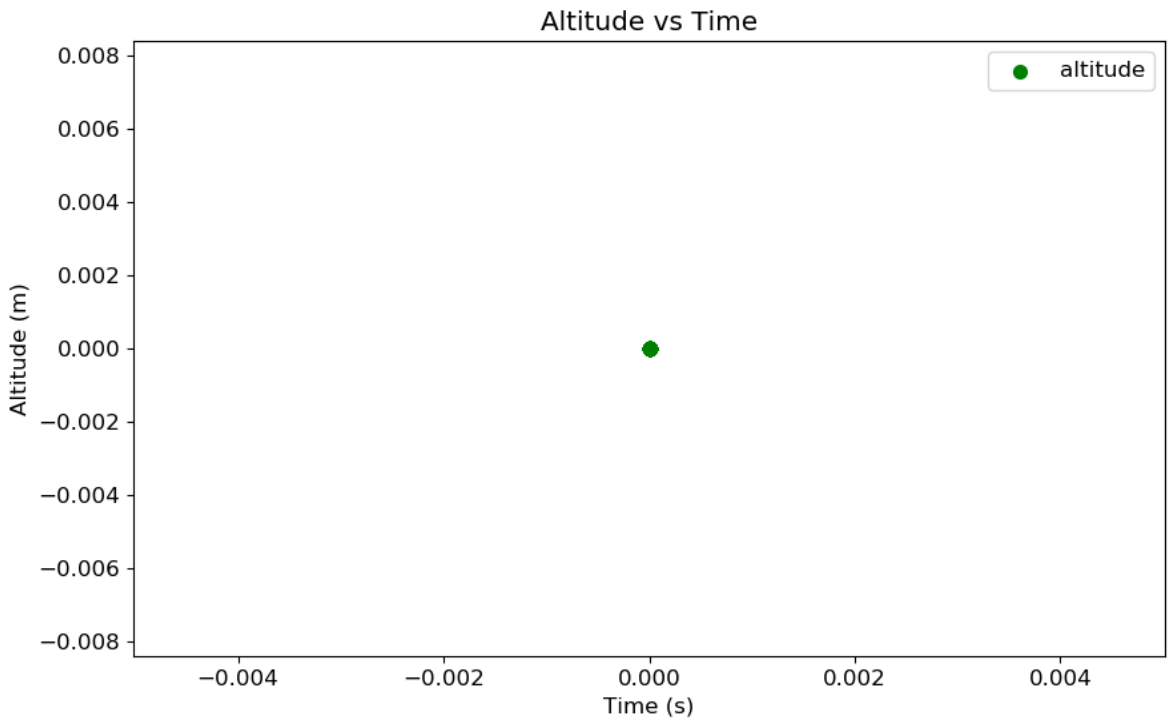

Fig 3: Altitude vs Time