

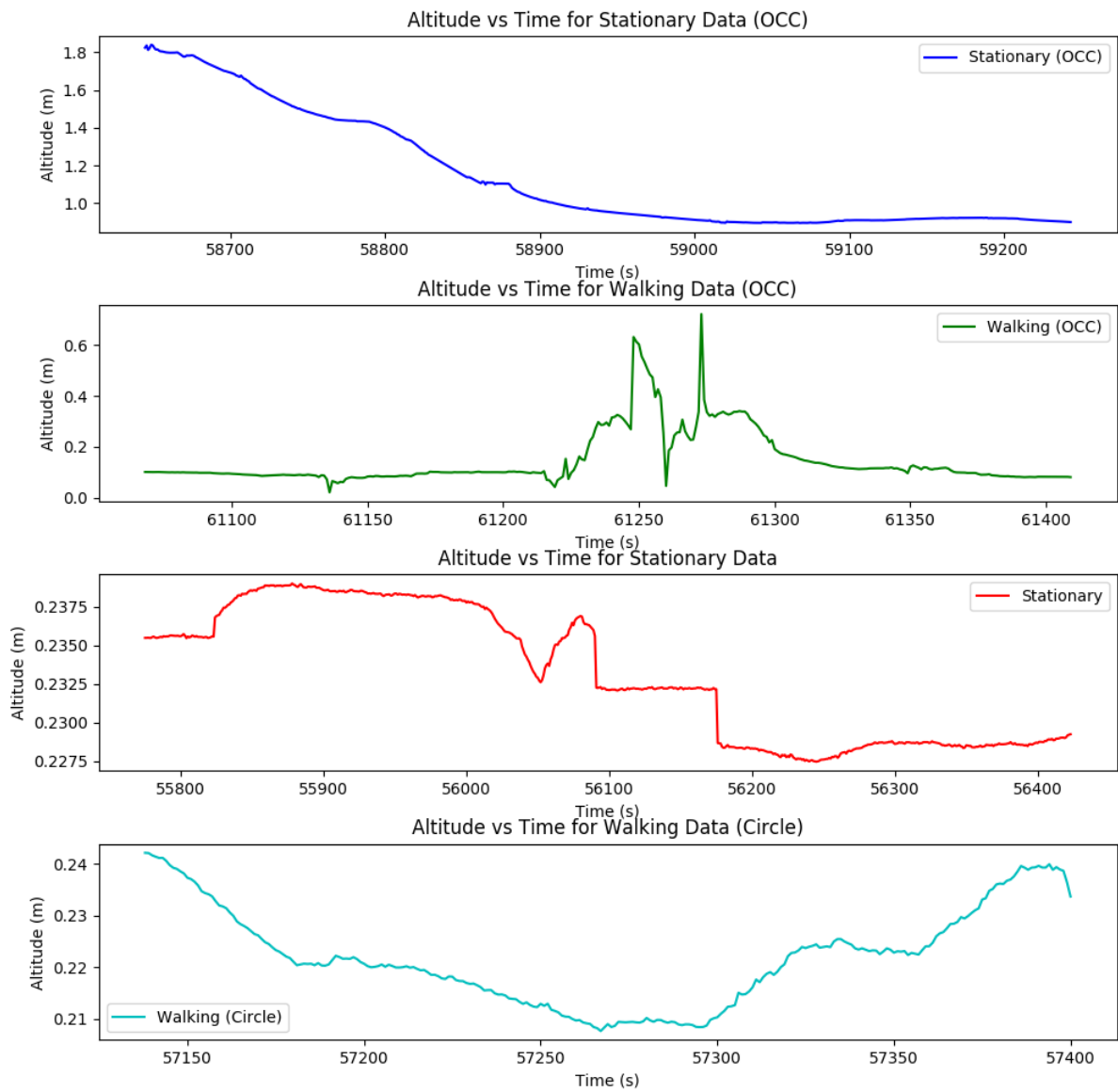
Mohammad Abdul Razaq Khan (NUID: 002851185)

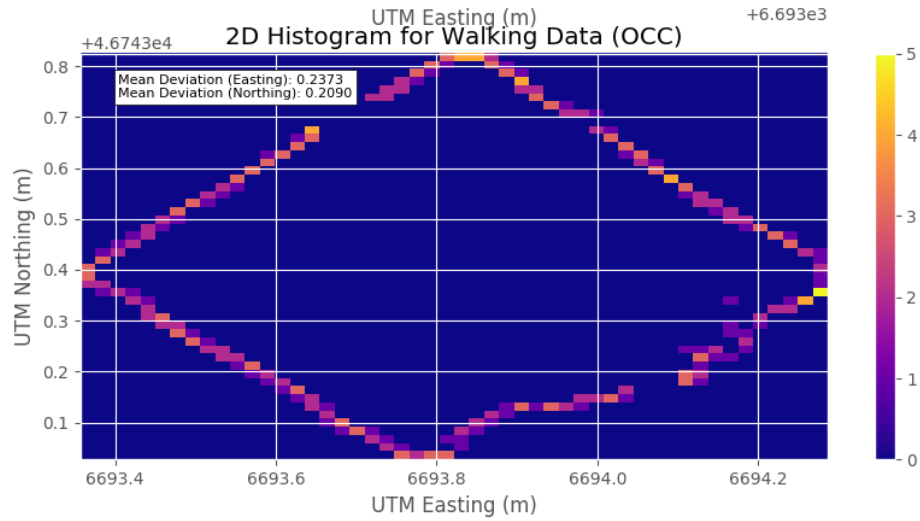
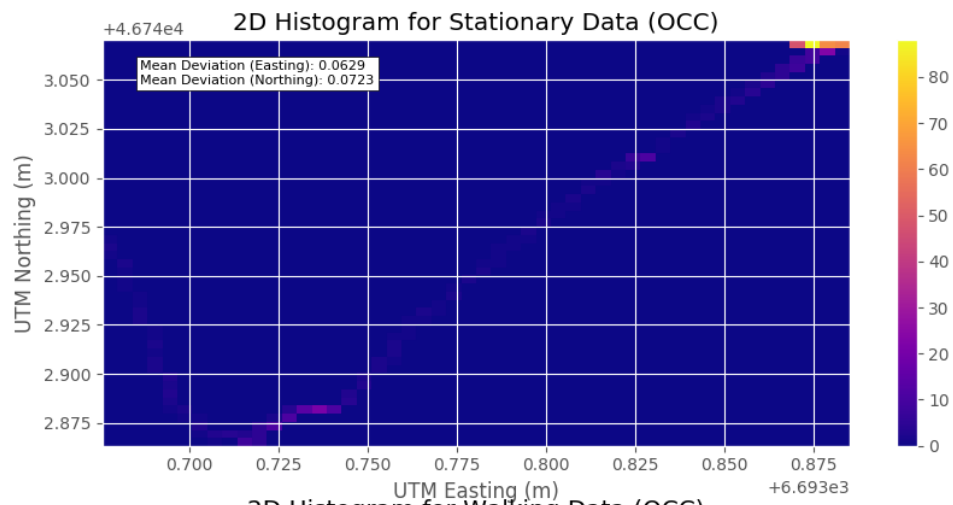
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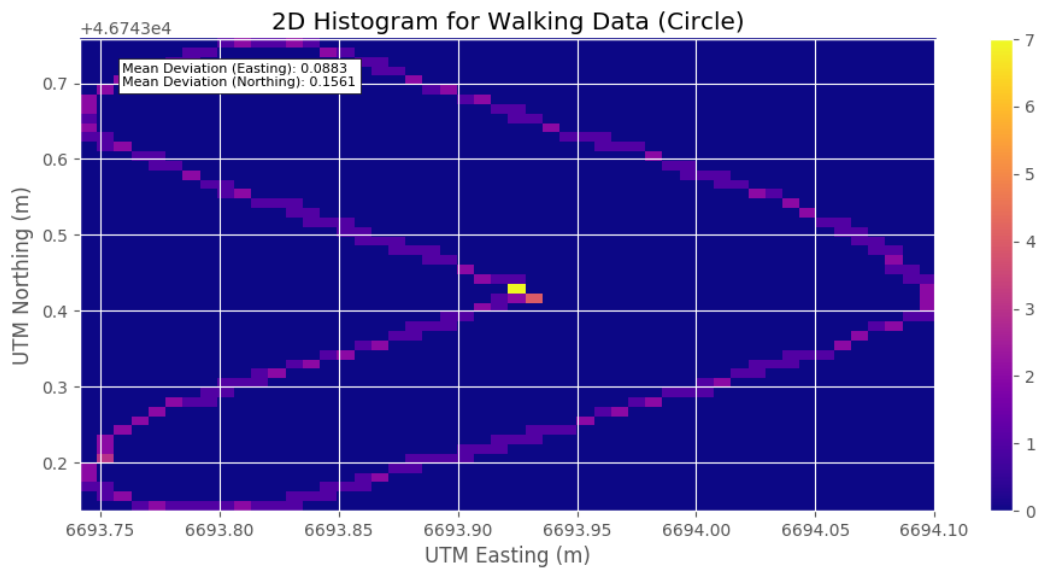
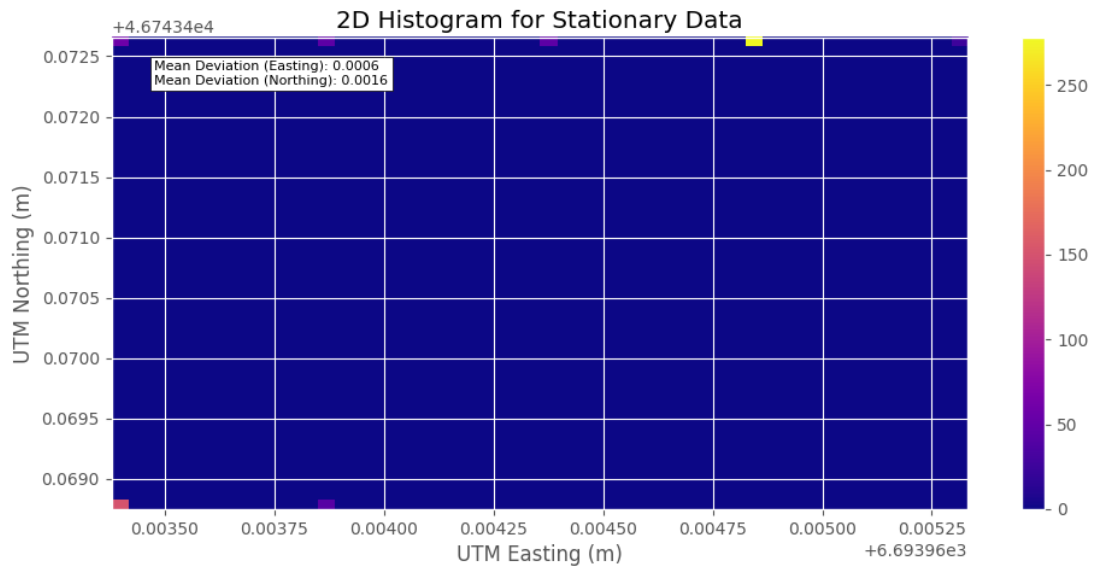
Lab 2 Report

Due Date: 10/16/22

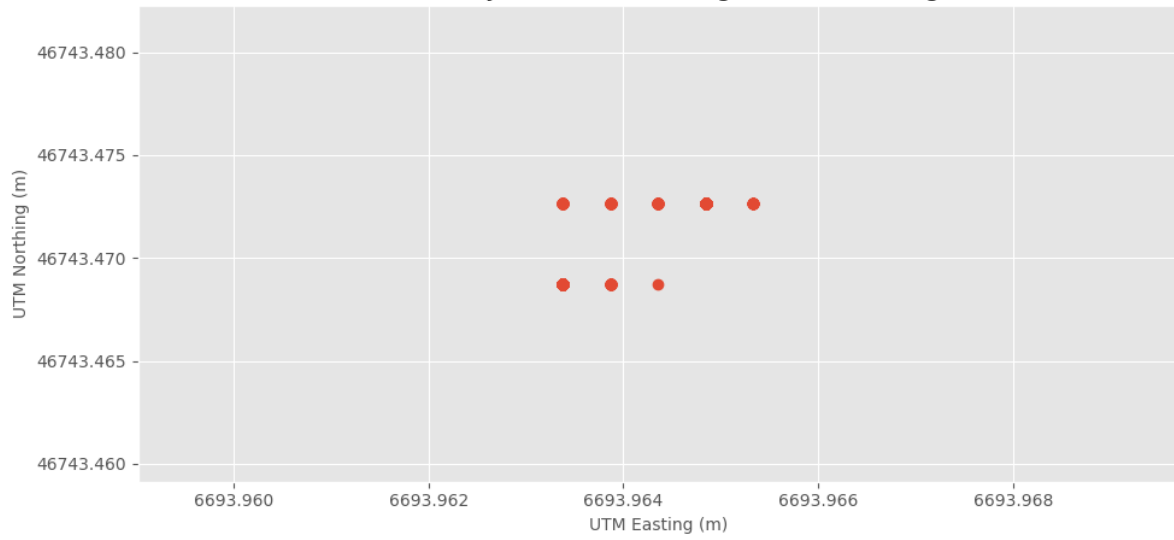
**RTK (Real-Time Kinematic)** is an advanced satellite navigation method that significantly refines the accuracy of position data from standard GPS systems. By utilizing a stationary base station with a known position and a mobile receiver, RTK corrects positional errors in real-time, elevating accuracy from meters to centimeters. This precision is especially beneficial in industries like agriculture (for precision farming), surveying, and construction. However, its performance can be affected by factors such as distance from the base (typically effective within 10-20 kilometers) and physical obstructions like buildings or trees.







Stationary Data: UTM Easting vs UTM Northing



Walking Data: UTM Easting vs UTM Northing

