RTK GPS MEASUREMENT EXPERIMENTS
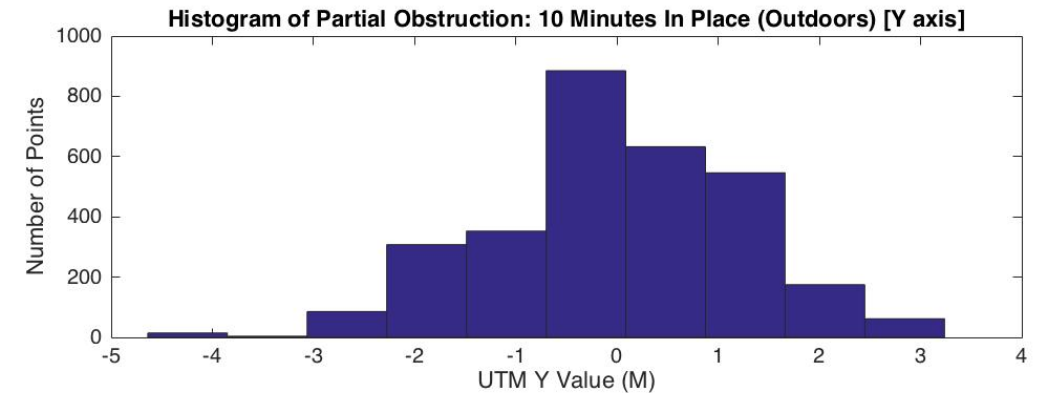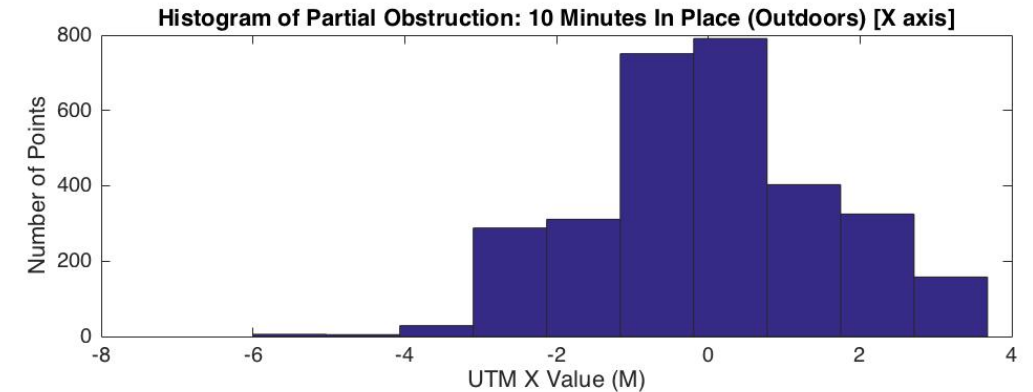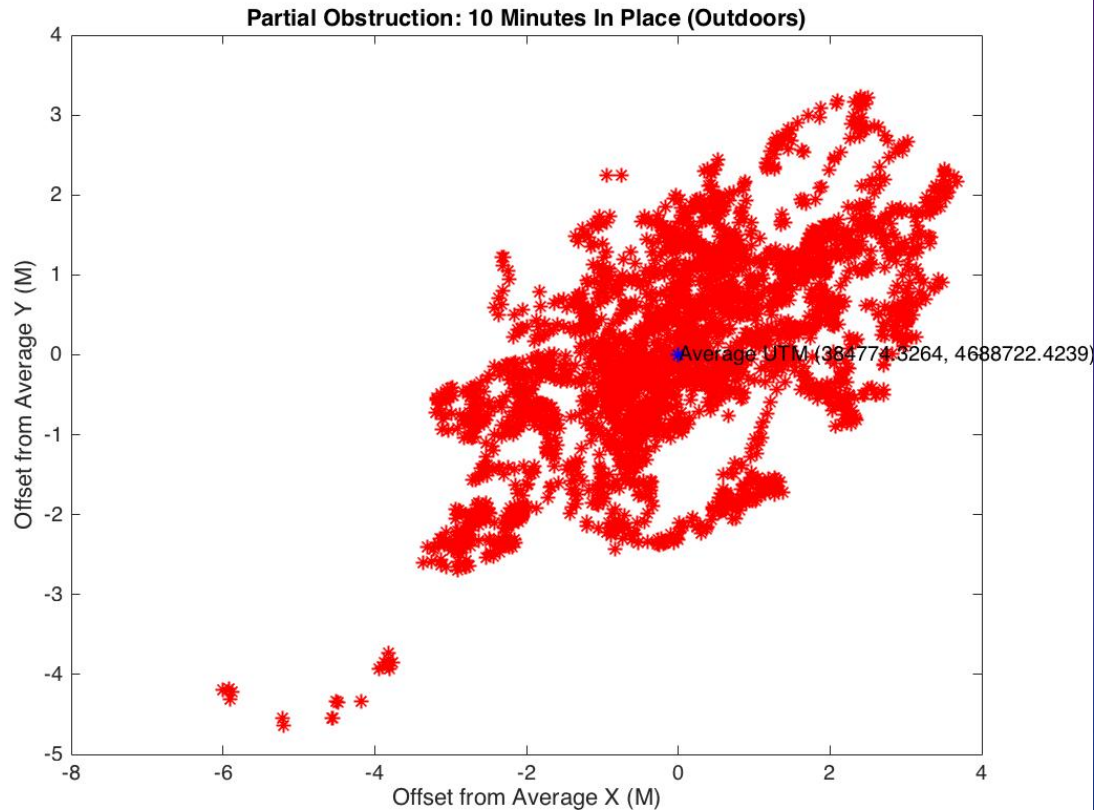
ANDREW TU

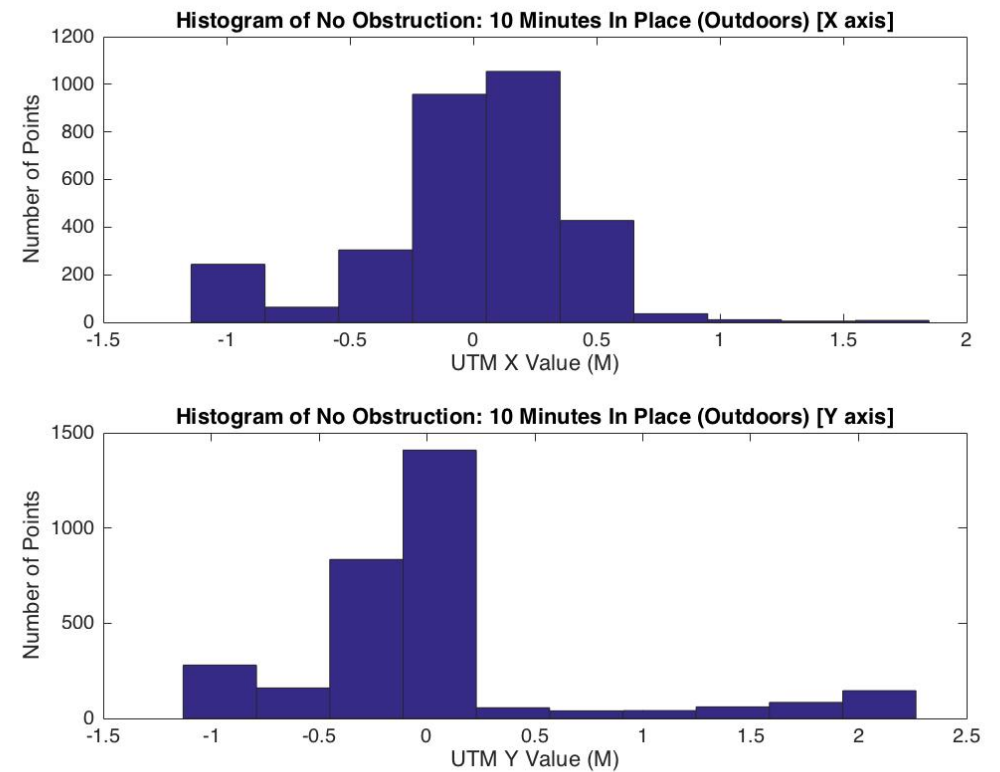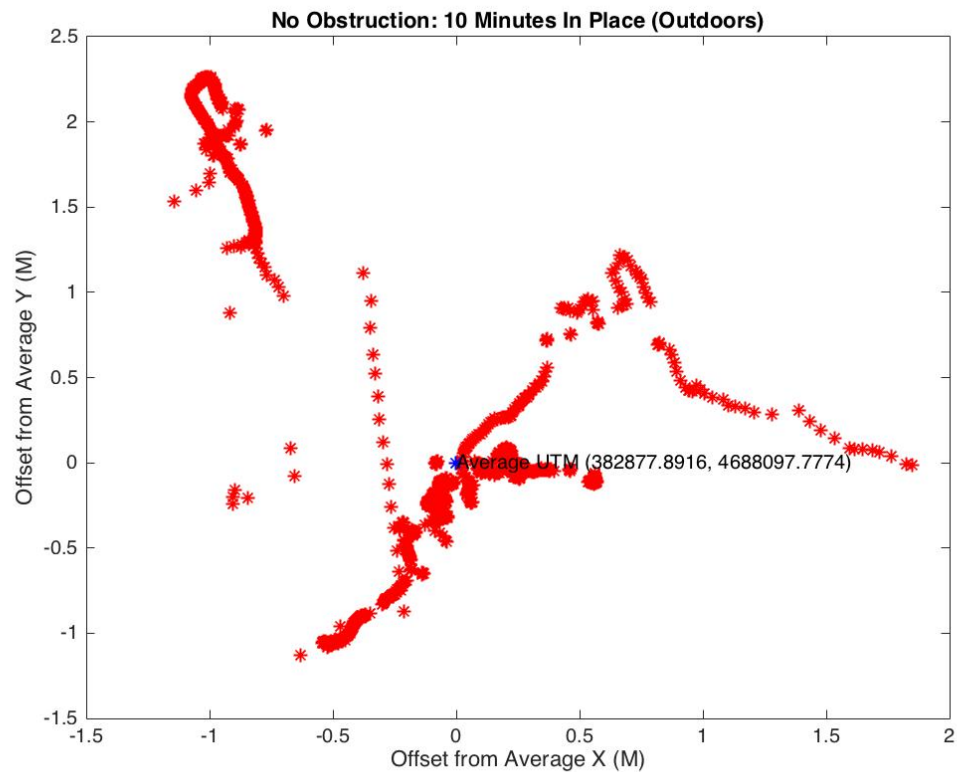EECE 5698 ROBOTICS SENSING AND NAVIGATION

NORTHEASTERN UNIVERSITY

PARTIAL OBSTRUCTION: 10 MIN IN PLACE

Roughly +3/-5 M N/S variation
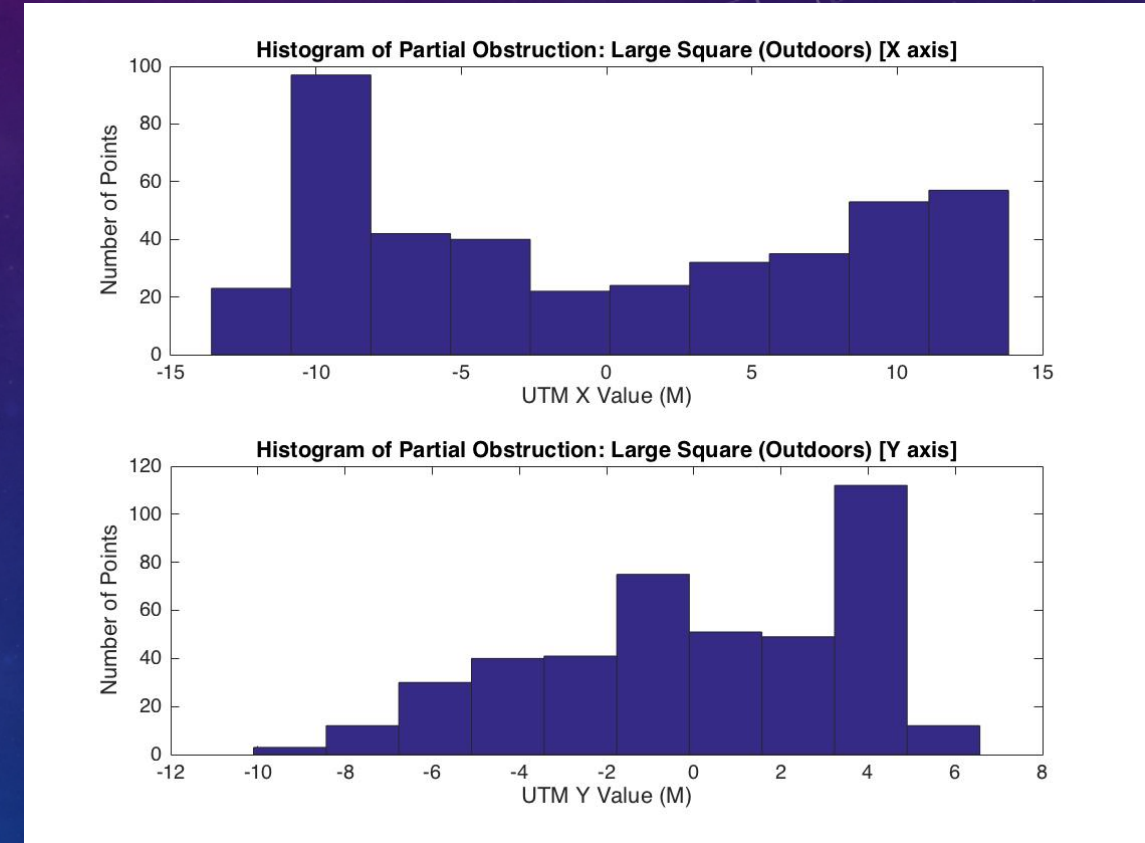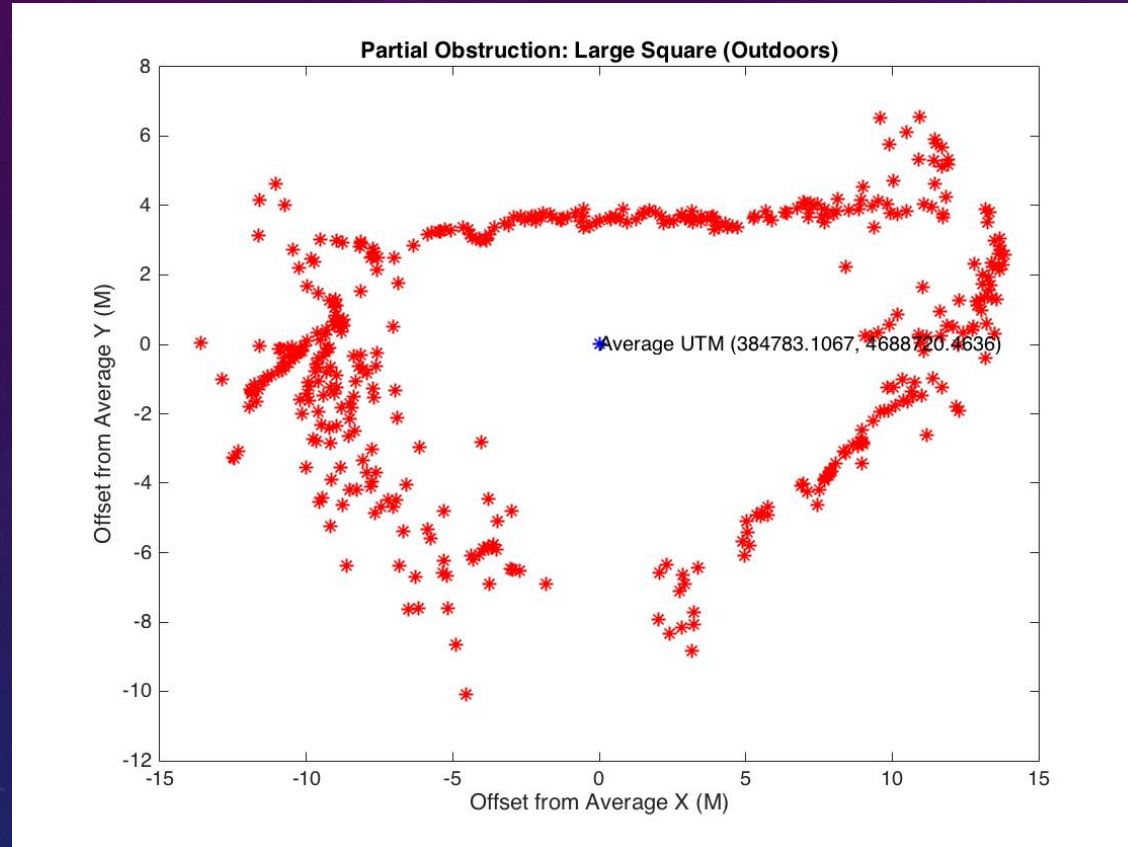Roughly +4/-6 M N/S variation
Gaussian Error

NO OBSTRUCTION: 10 MIN IN PLACE

Roughly +2.5/-1 m N/S variation
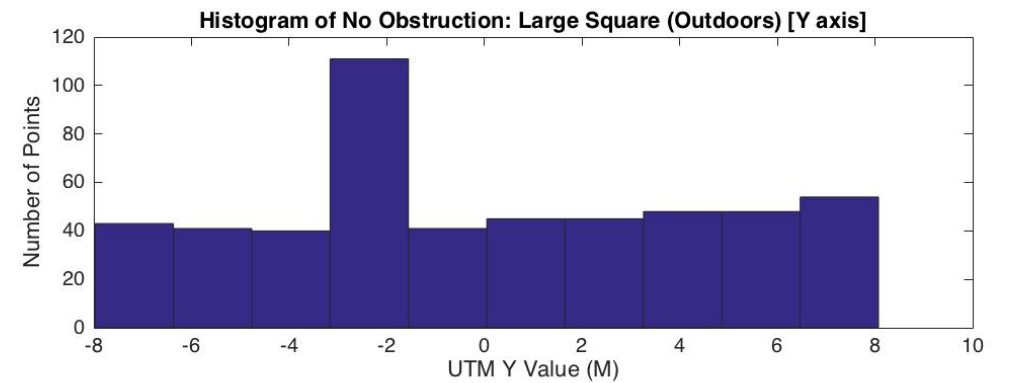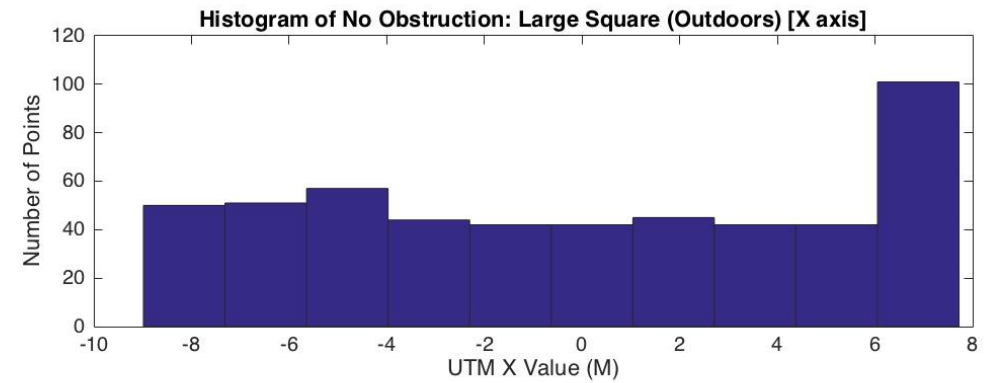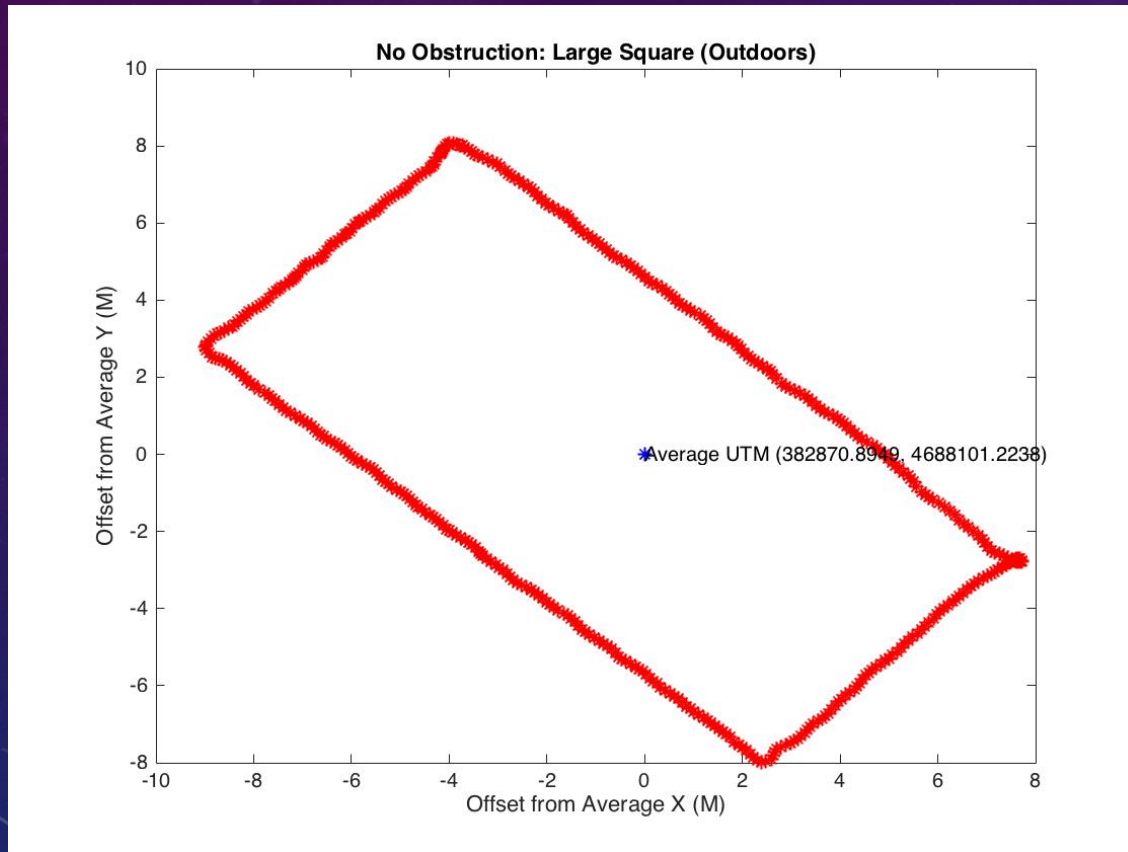Roughly +2/-1.5 m W/E variation
Gaussian N/S error

PARTIAL OBSTRUCTION: LARGE SQUARE

Large error readings to the west (corresponding to the location of the building)
Error is not Gaussian

NO OBSTRUCTION: LARGE SQUARE

PARTIAL OBSTRUCTION: SMALL SQUARE

Large error readings to the west (corresponding to the location of the building)
Error is Gaussian in N/S direction (no obstructions)
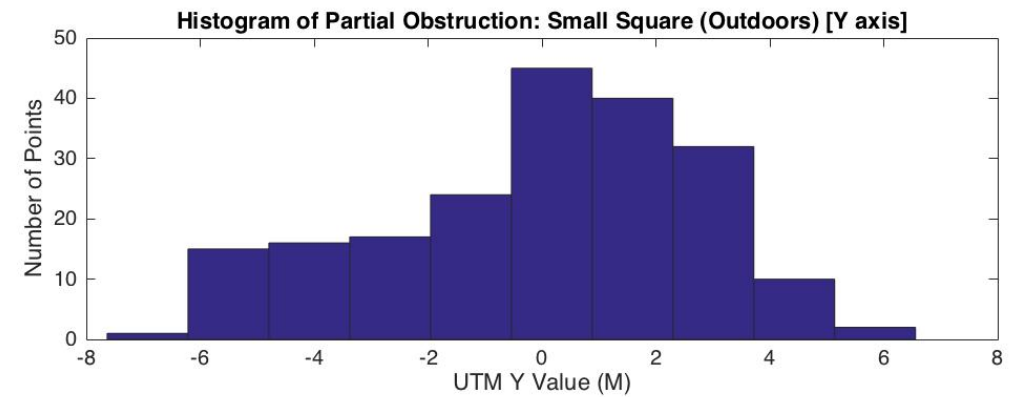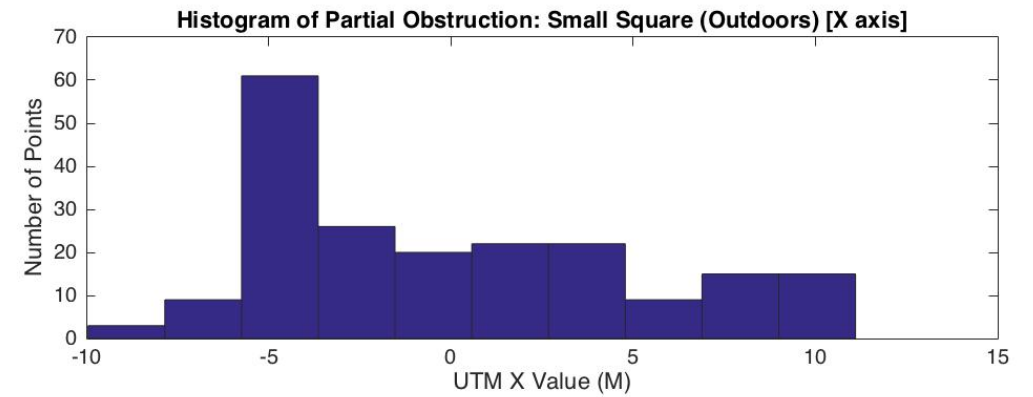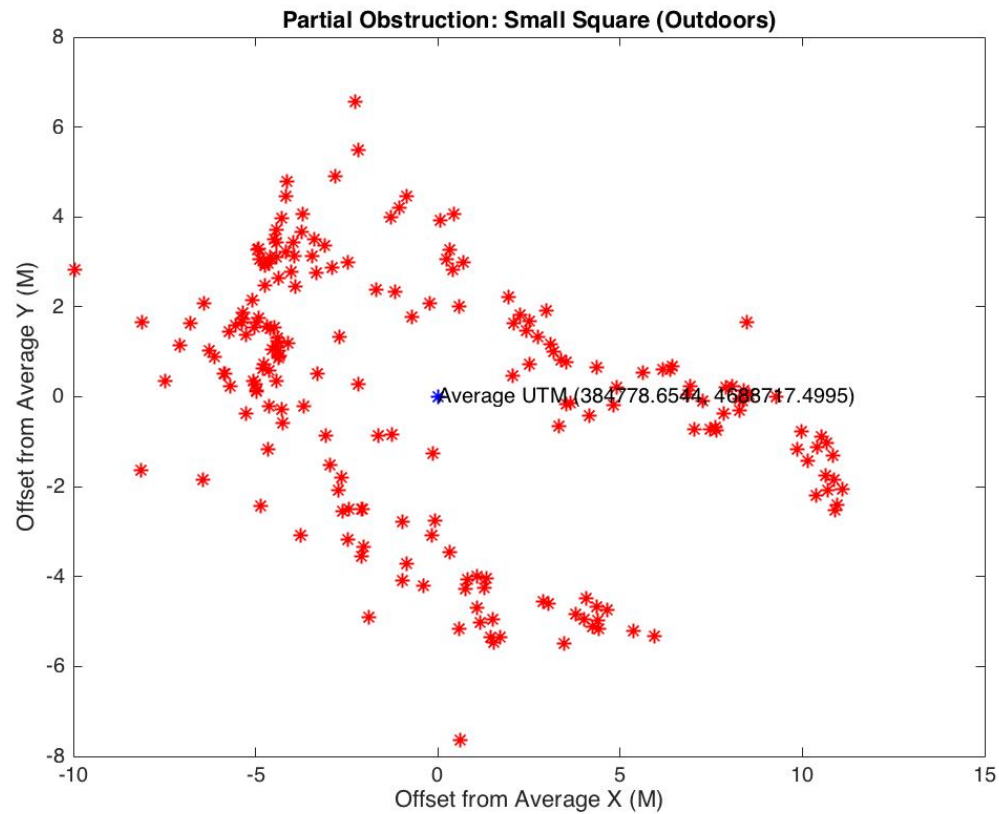
NO OBSTRUCTION: SMALL SQUARE