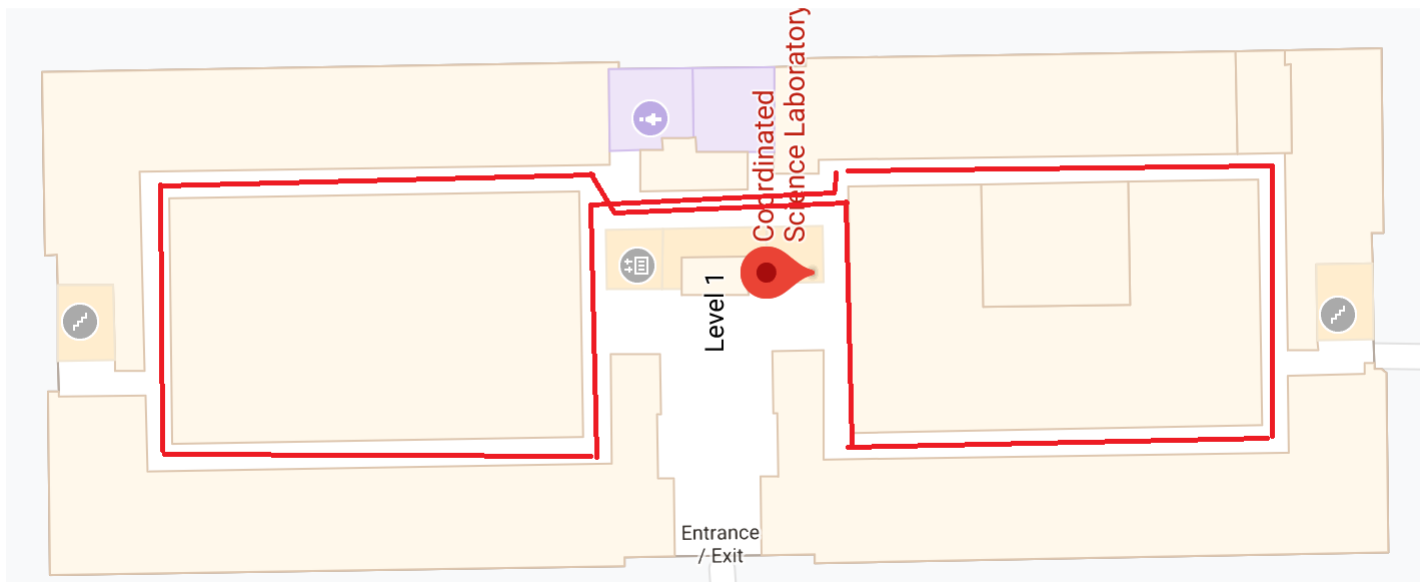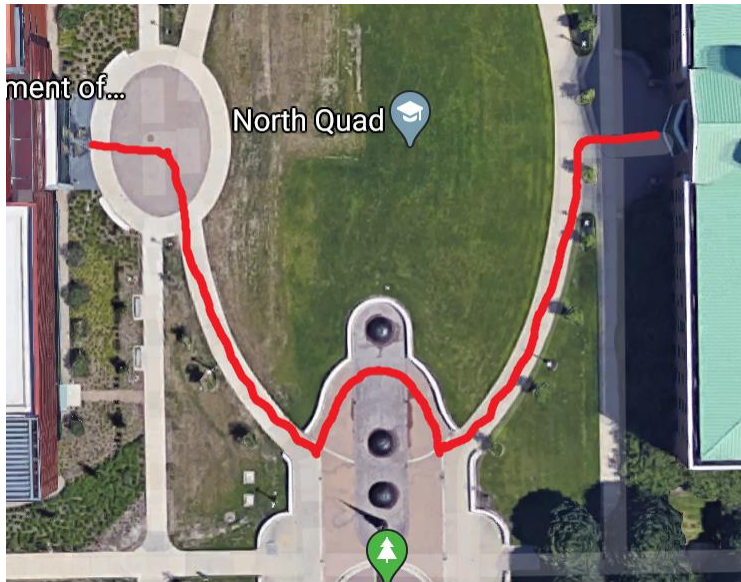Two routes, ground truth shown below. One between ECE and CSL, the other one within CSL. Actual trajectory length can be measured on Google Map.

CSV file has four columns, first column is time stamp, unit: ms. Next three columns are x,y,z readings.

Assume at the initial moment, phones is static. Use it to find gravity direction. Magnetic north is not provided, so as long as shape and trajectory length match, it should be fine.