import csv

originalfile = open('GPSlog.csv')

csv\_f = csv.reader(originalfile)

temp\_csv = []

newfile = open('GPSlogParsed.csv', 'w')

wr = csv.writer(newfile)

wr.writerow(["N","E","Measurement","Time","Date","Speed","Track Angle"])

for row in csv\_f:

 a = int(row[2][:2])+((float(row[2][2:]))/60)

 a2 = "{:.8f}".format(a)

 b = int(row[4][:3])+((float(row[4][3:]))/60)

 b2 = "{:.8f}".format(b)

 c = row[0][:2]+":"+row[0][2:4]+":"+row[0][4:]

 d = row[8][:2]+"/"+row[8][2:4]+"/"+row[8][4:]

 e = row[12]

 f = row[6]

 g = row[7]

 temp\_csv.append(a2)

 temp\_csv.append(b2)

 temp\_csv.append(e)

 temp\_csv.append(c[:8])

 temp\_csv.append(d[:8])

 temp\_csv.append(f)

 temp\_csv.append(g)

 wr.writerow(temp\_csv)

 temp\_csv = []

newfile.close()

originalfile.close()