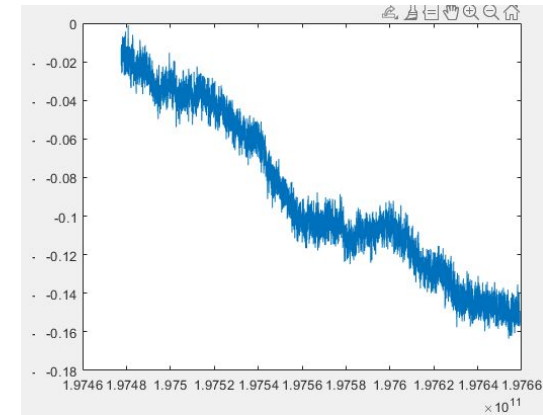
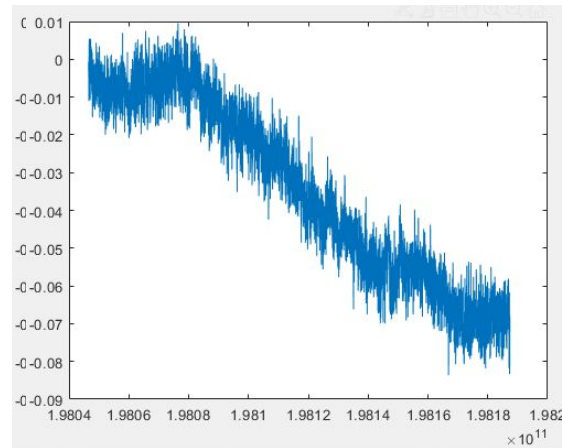
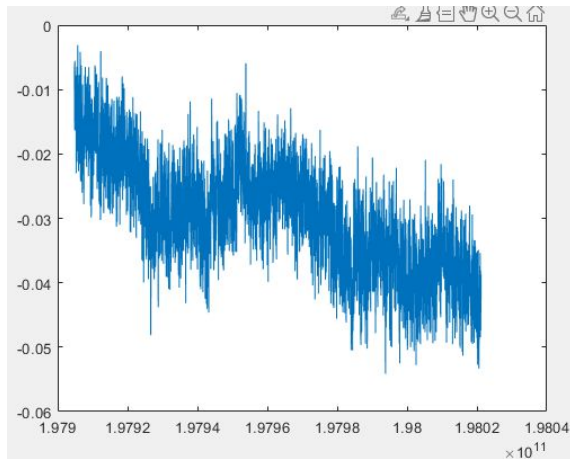
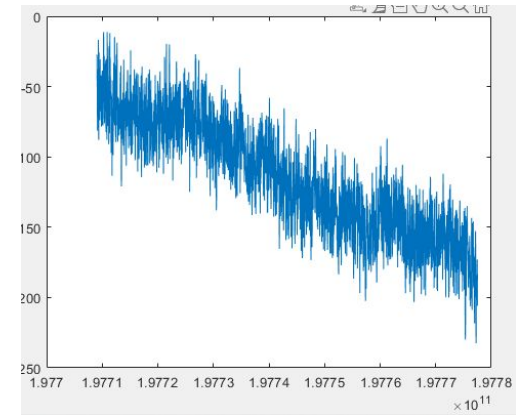
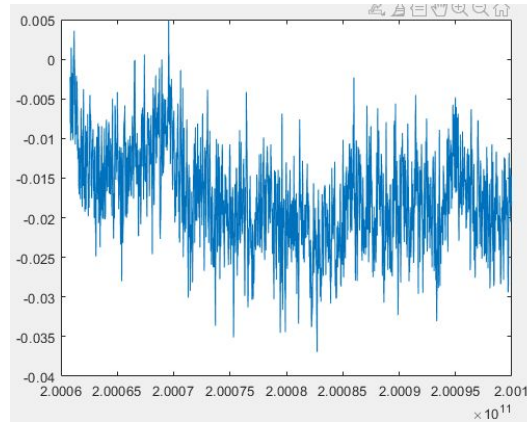
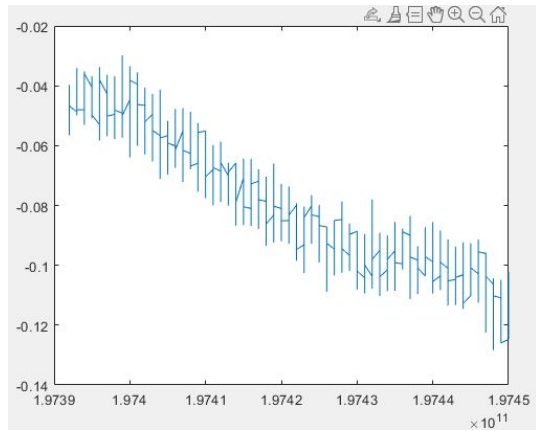
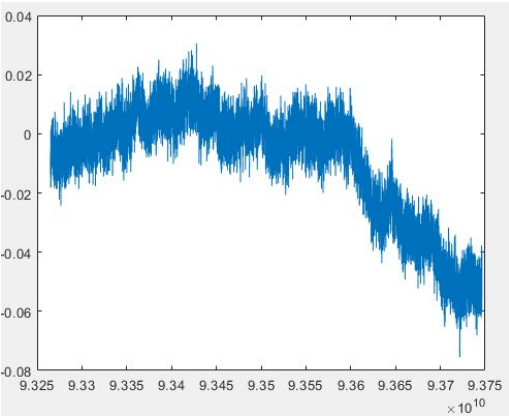
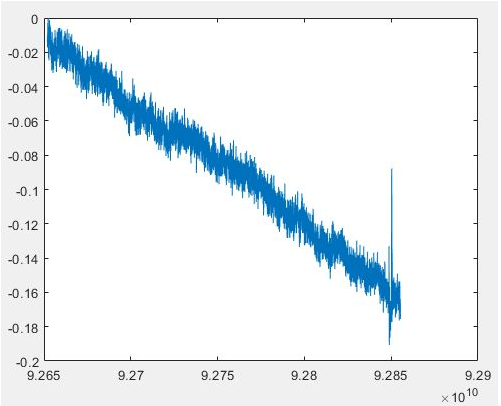
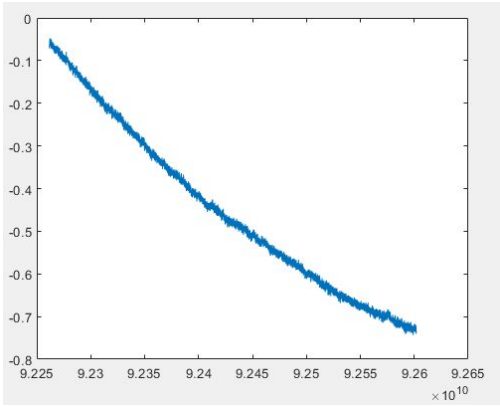
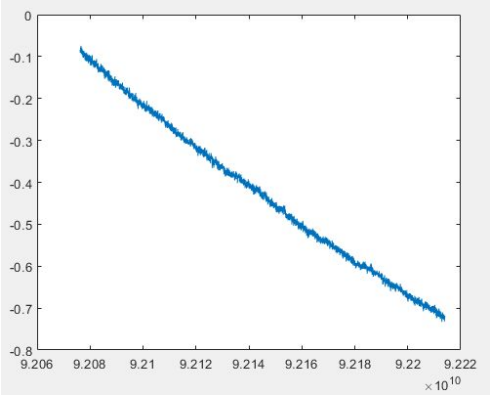
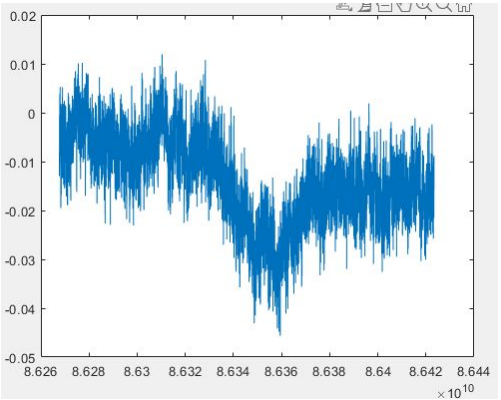


Idle forceps readings (mounted)

xPlot: Time (in S)
yPlot: Force(in N)



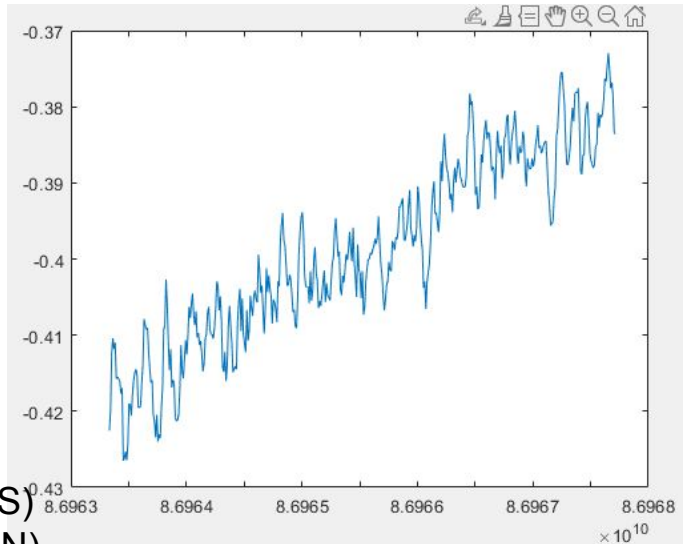
Idle Sensor readings



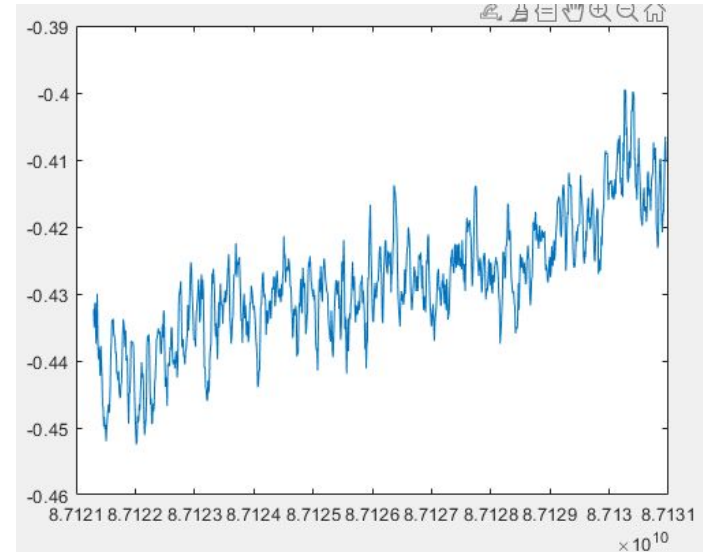
xPlot: Time (in S)
yPlot: Force(in N)

Calculations:

- Drift: Calculated Slope values [**0.068**, **0.1397**, **0.416**, **0.069**, **0.1811**]
- Total mean time calculated: 5 minutes
- (50g weight) error = **12%**

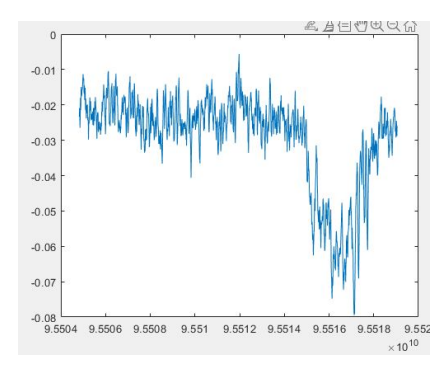
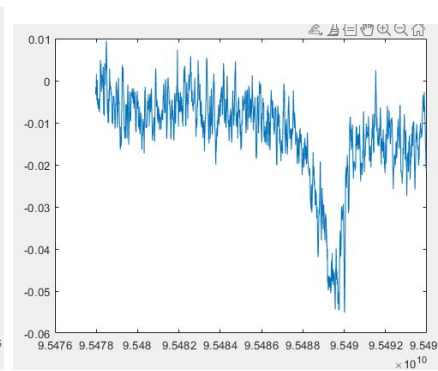
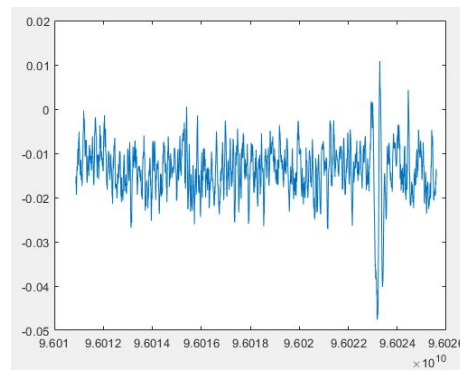
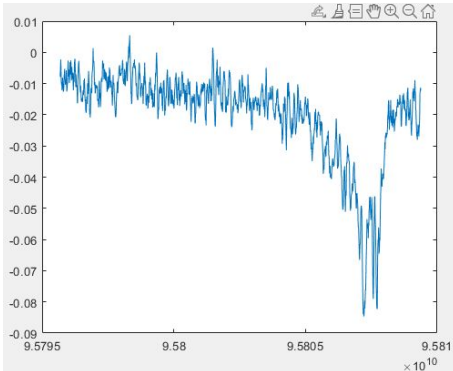
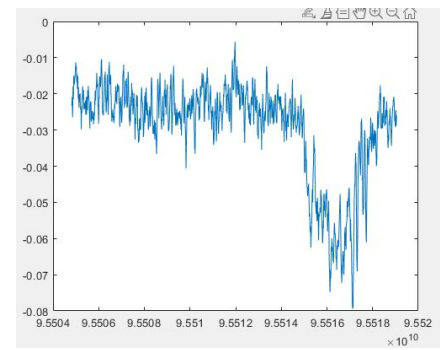
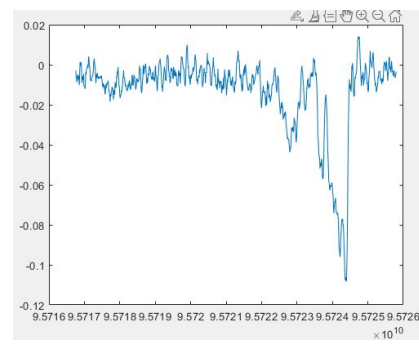
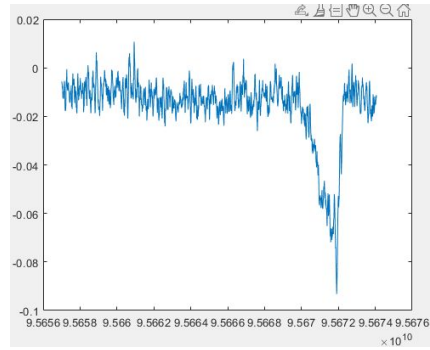
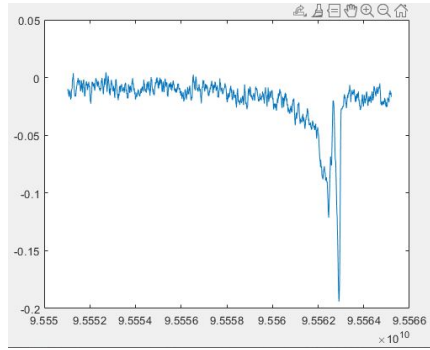


xPlot: Time (in S)
yPlot: Force(in N)



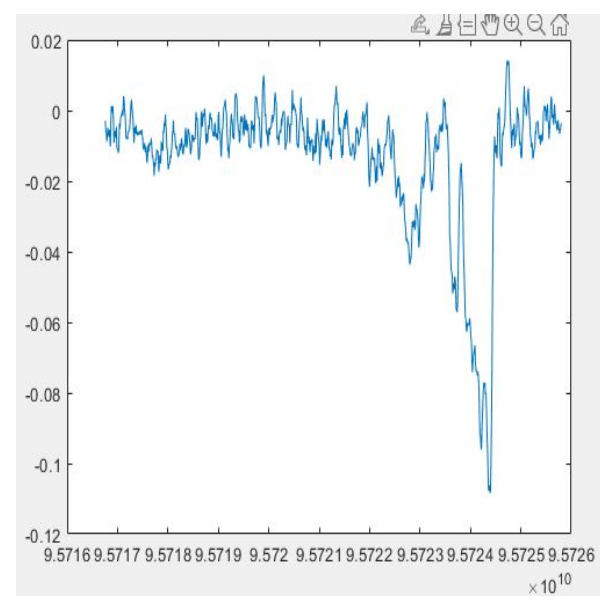
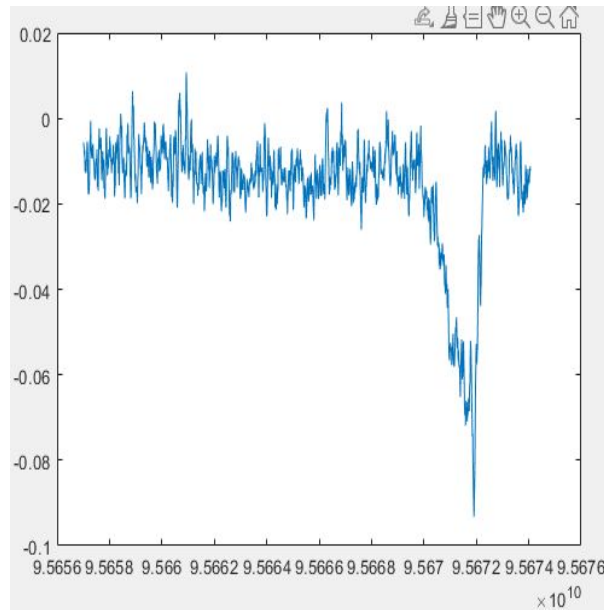
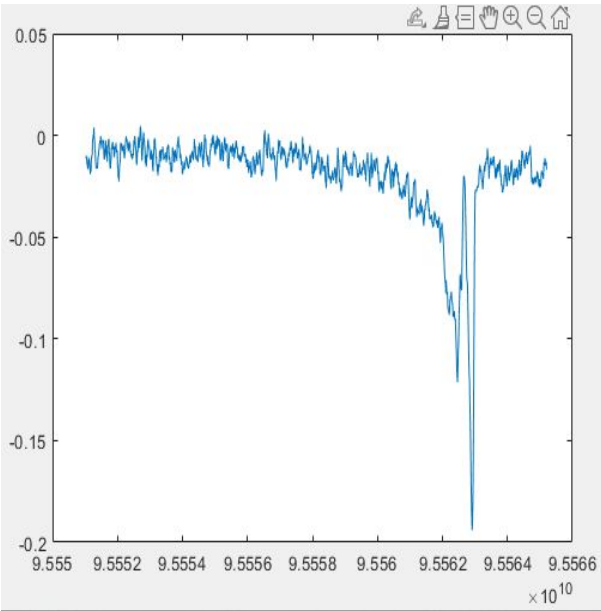
Electrode Sensing (by Dr. Deepa)

xPlot: Time (in S)
yPlot: Force(in N)



Electrode Sensing (by Dr. Deepa)

xPlot: Time (in S)
yPlot: Force(in N)



Calculations (Ideal electrode insertion)

- Mean of Max Force values = **0.085N (Fz)**
- Angle of the Force = 60 degrees
- Actual force on the Cochlea = **0.17N**