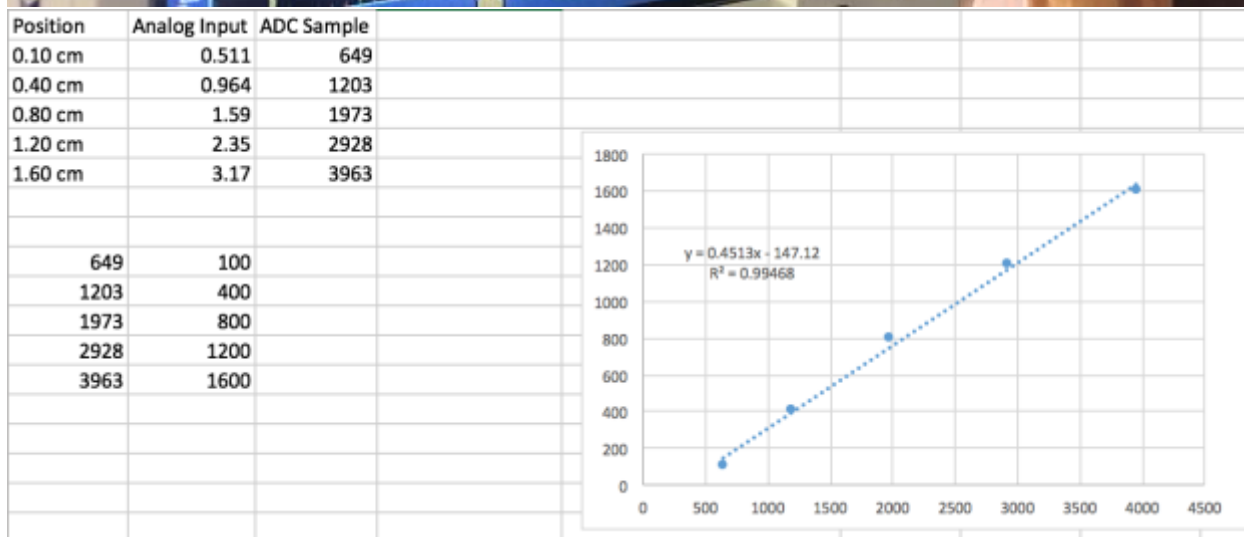
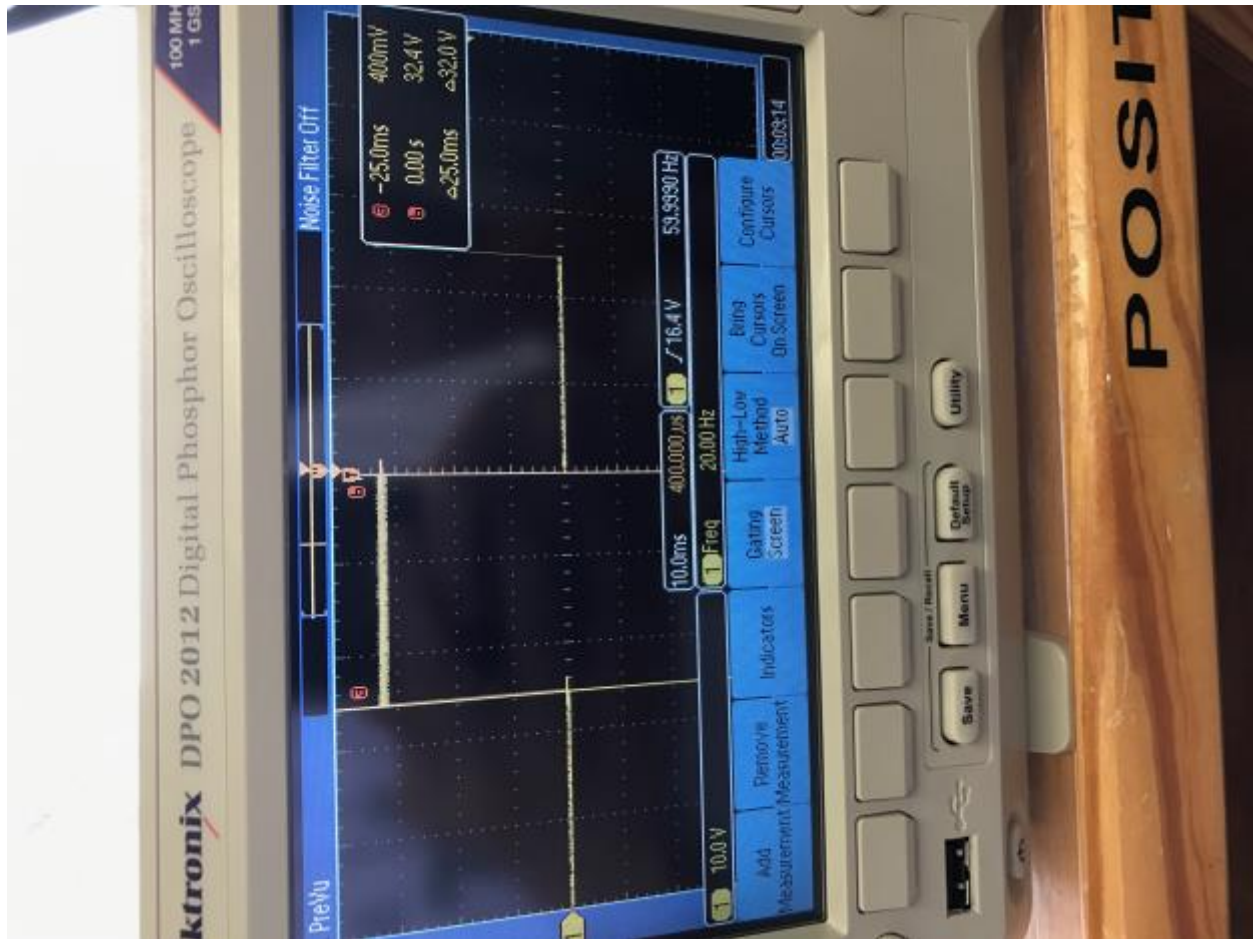


P1 Slide pot used to measure distance







True position	Measured Position	Error
X_{ti}	X_{mi}	$X_{ti} - X_{mi}$
0.30 cm	0.297 cm	0.003
0.80 cm	0.749 cm	0.051
1 cm	0.96 cm	0.04
1.3 cm	1.275 cm	0.025
1.5 cm	1.492 cm	0.008
Maxium error is 0.051		
Average error is 0.025		