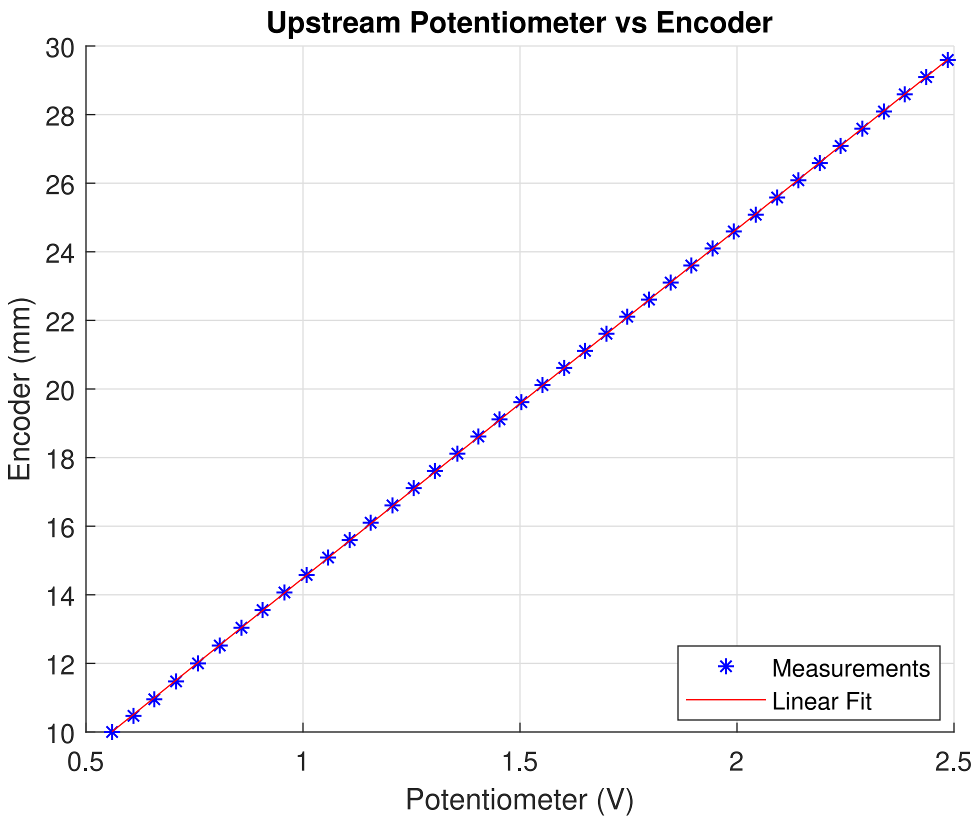
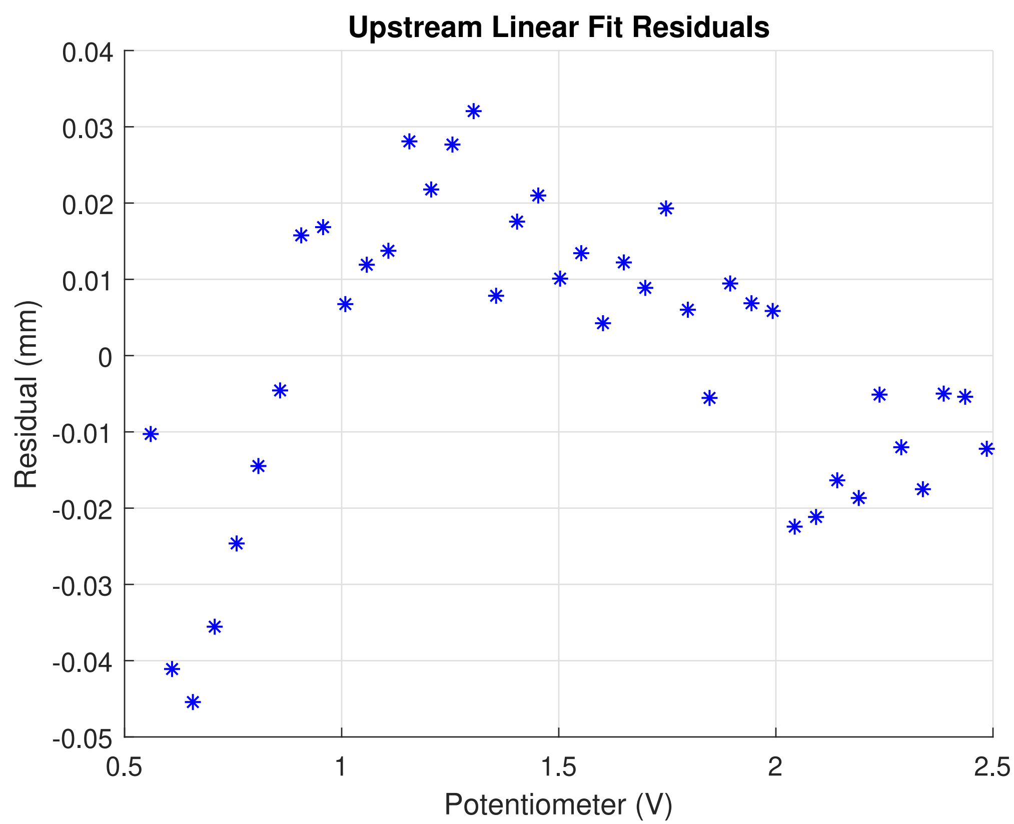
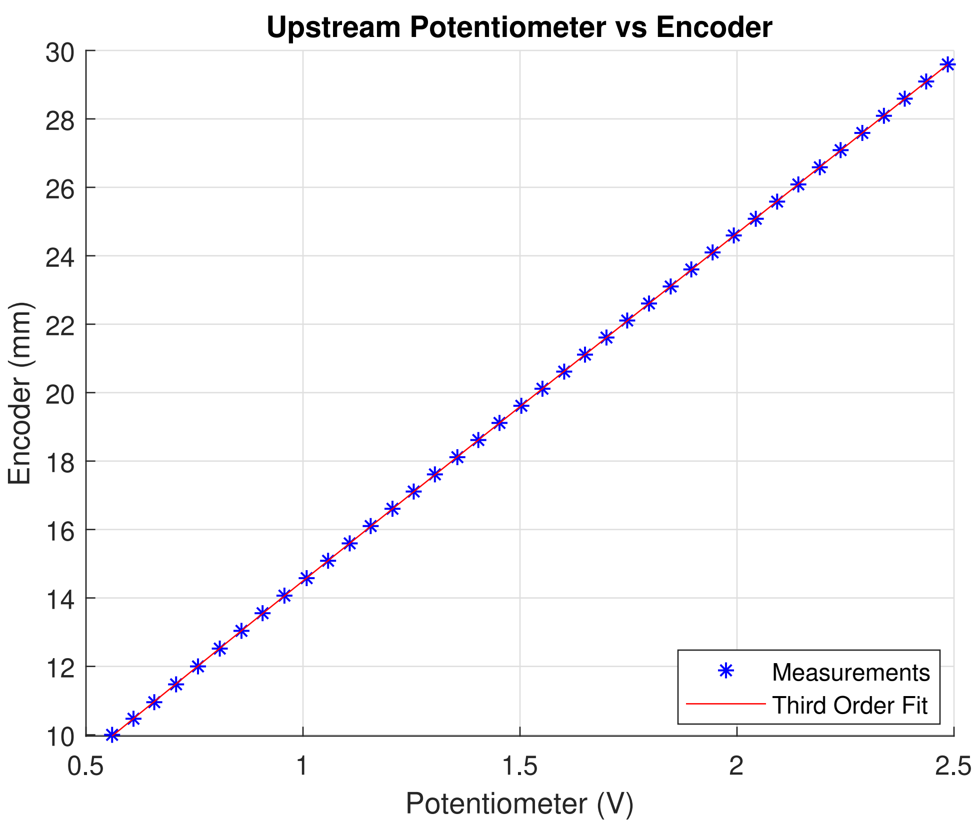
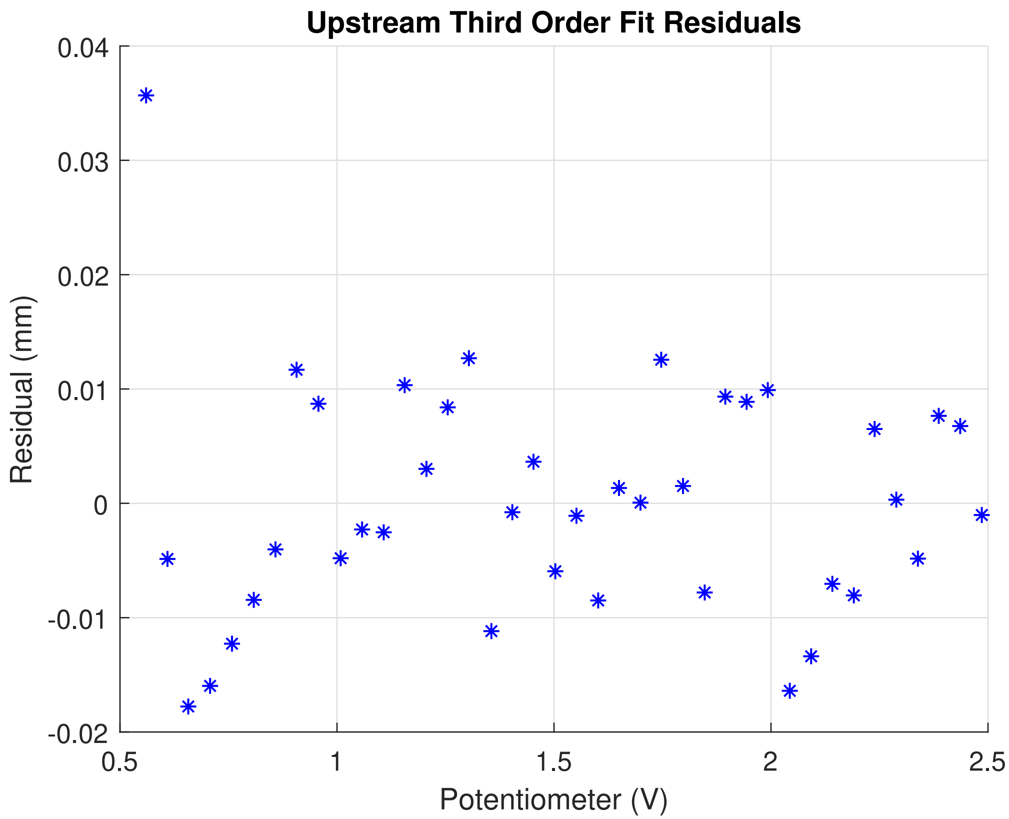
SLAC Magnetic Measurements#
Date: 06-14-2018#
Time: 18:36:19#



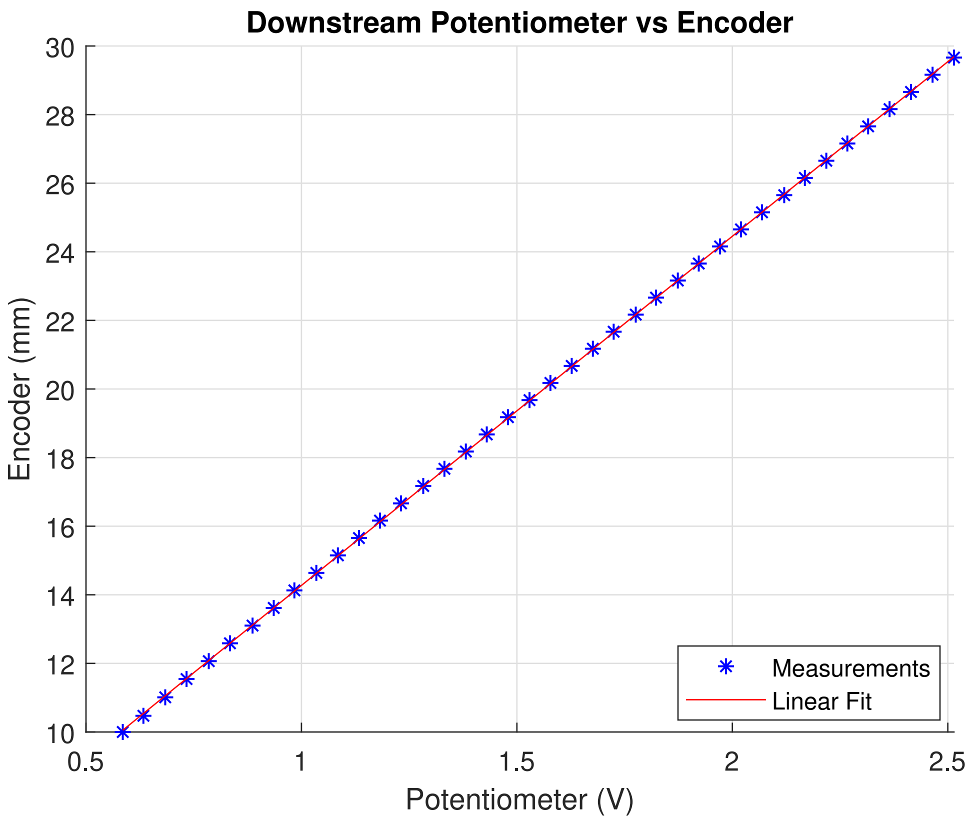
Upstream Potentiometer vs Encoder
Encoder (mm)
Potentiometer (V)
30
28
26
24
22
20
18
16
14
12
10
0.5
1
1.5
2
2.5
Measurements
Linear Fit


Upstream Linear Fit Residuals
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
Residual (mm)
0.5
1
1.5
2
2.5
Potentiometer (V)

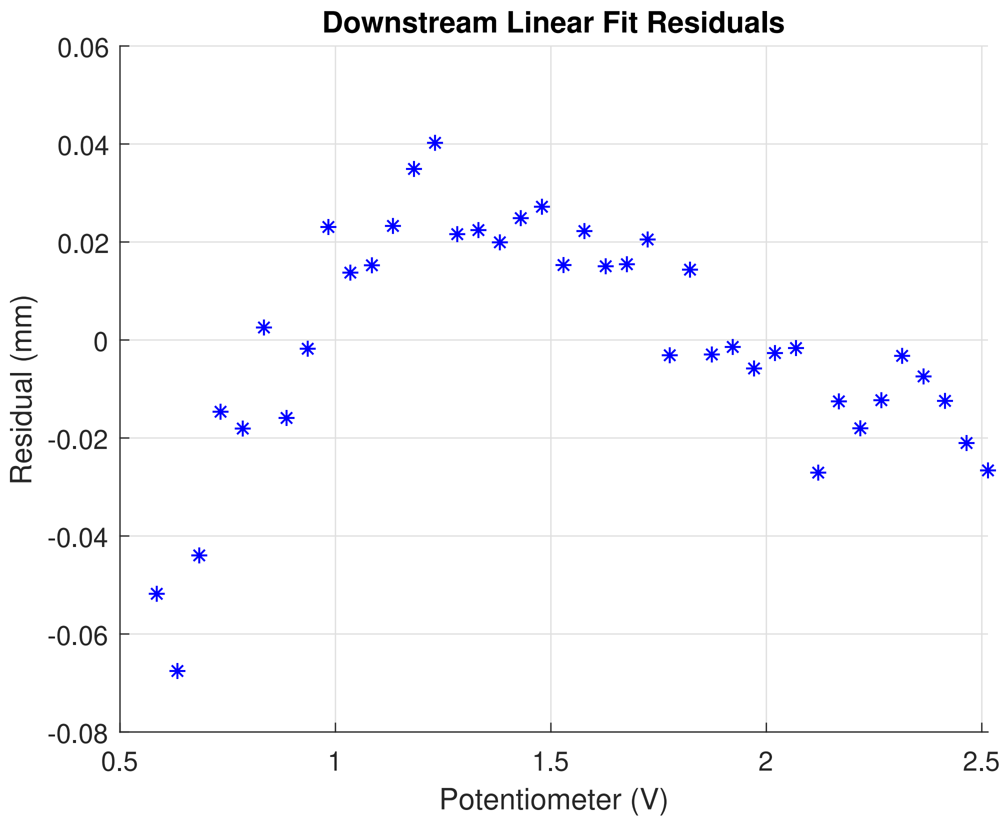

Upstream Potentiometer vs Encoder
Encoder (mm)
Potentiometer (V)
30
28
26
24
22
20
18
16
14
12
10
0.5
1
1.5
2
2.5
Measurements
Third Order Fit

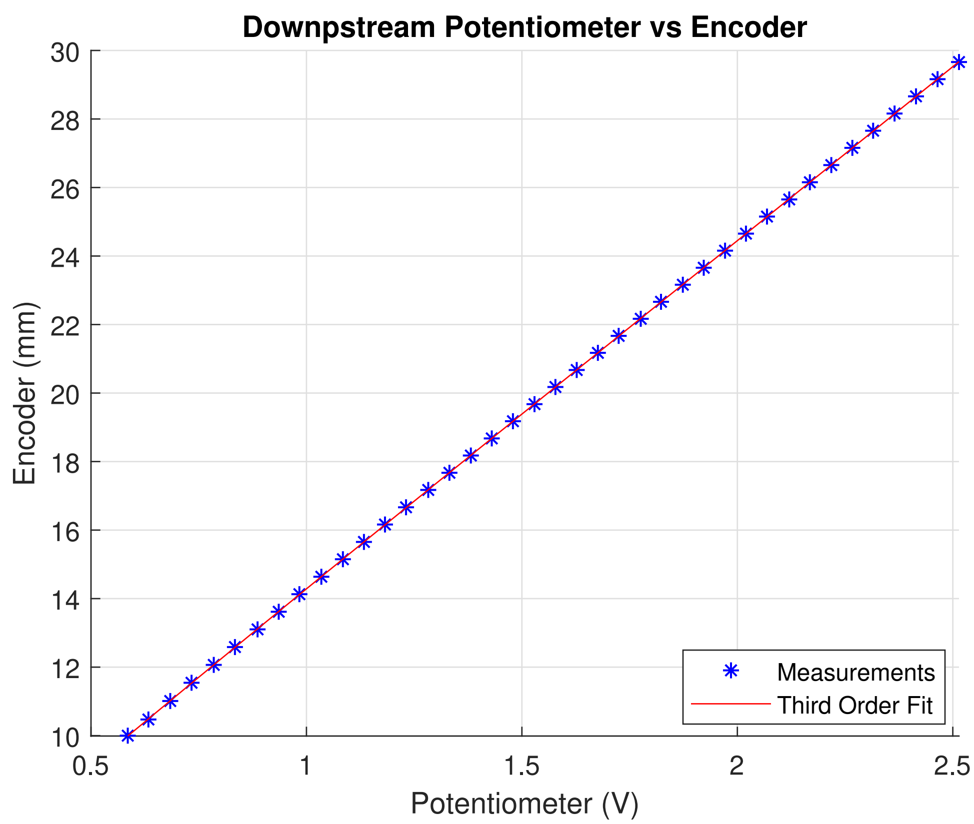


Upstream Third Order Fit Residuals
0.04
0.03
0.02
0.01
0
-0.01
-0.02
Residual (mm)
0.5
1
1.5
2
2.5
Potentiometer (V)

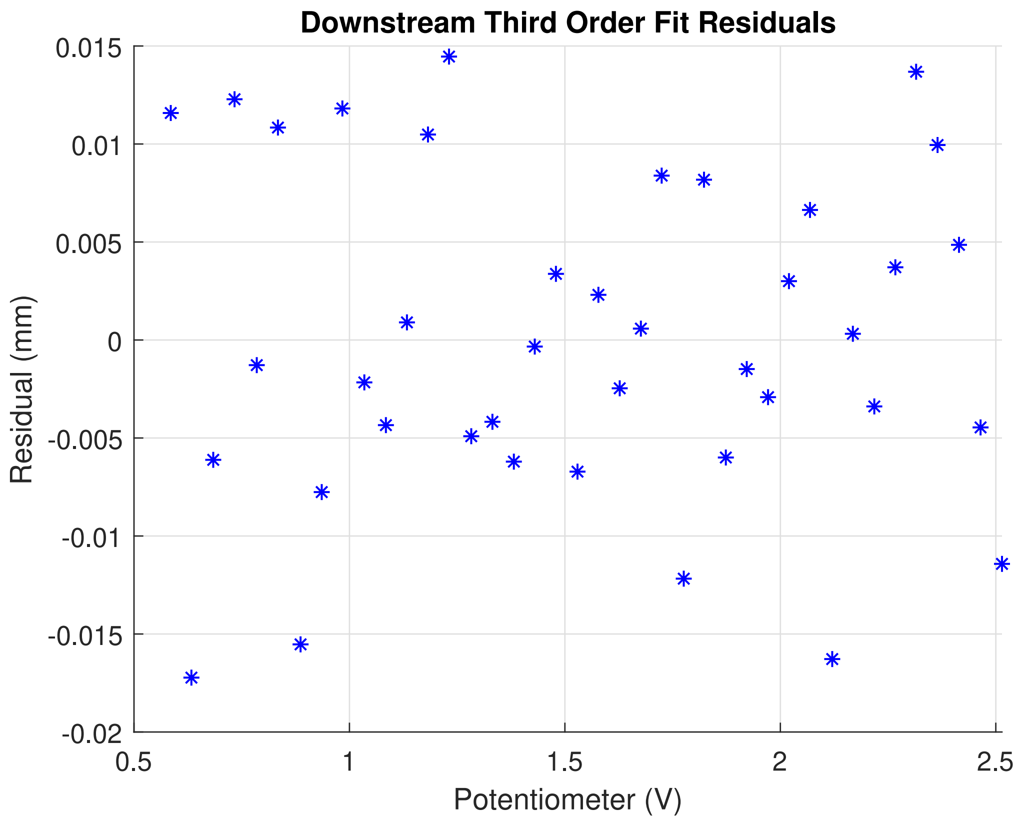


Downstream Potentiometer vs Encoder
Encoder (mm)
Potentiometer (V)
10
12
14
16
18
20
22
24
26
28
30
0.5
1
1.5
2
2.5
Measurements
Linear Fit


Downstream Linear Fit Residuals
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
Residual (mm)
0.5
1
1.5
2
2.5
Potentiometer (V)



Downpstream Potentiometer vs Encoder
30
28
26
24
22
20
18
16
14
12
10
Encoder (mm)
0.5
1
1.5
2
2.5
Potentiometer (V)
Measurements
Third Order Fit



Downstream Third Order Fit Residuals
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
Residual (mm)
0.5
1
1.5
2
2.5
Potentiometer (V)