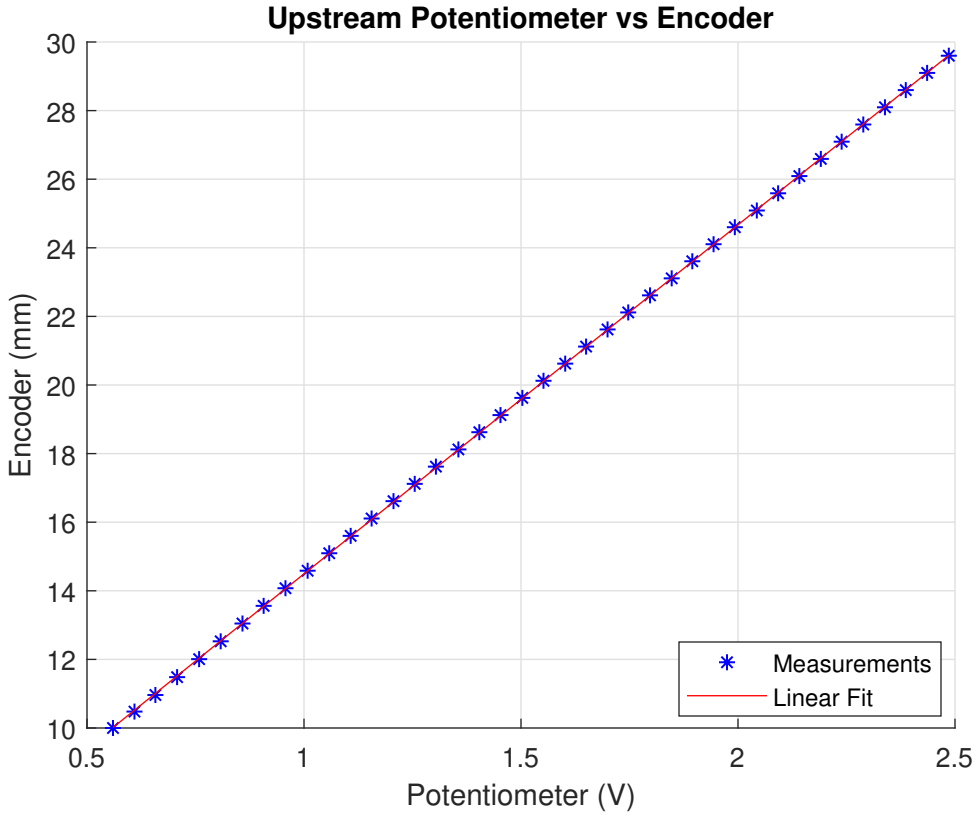
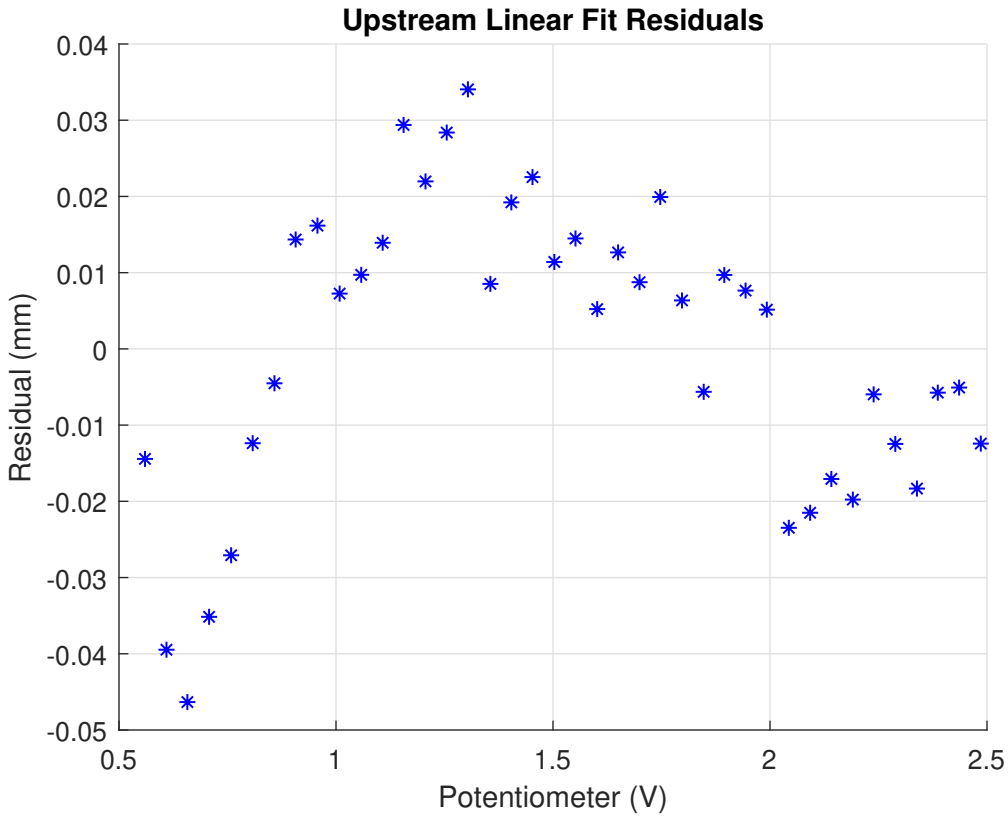
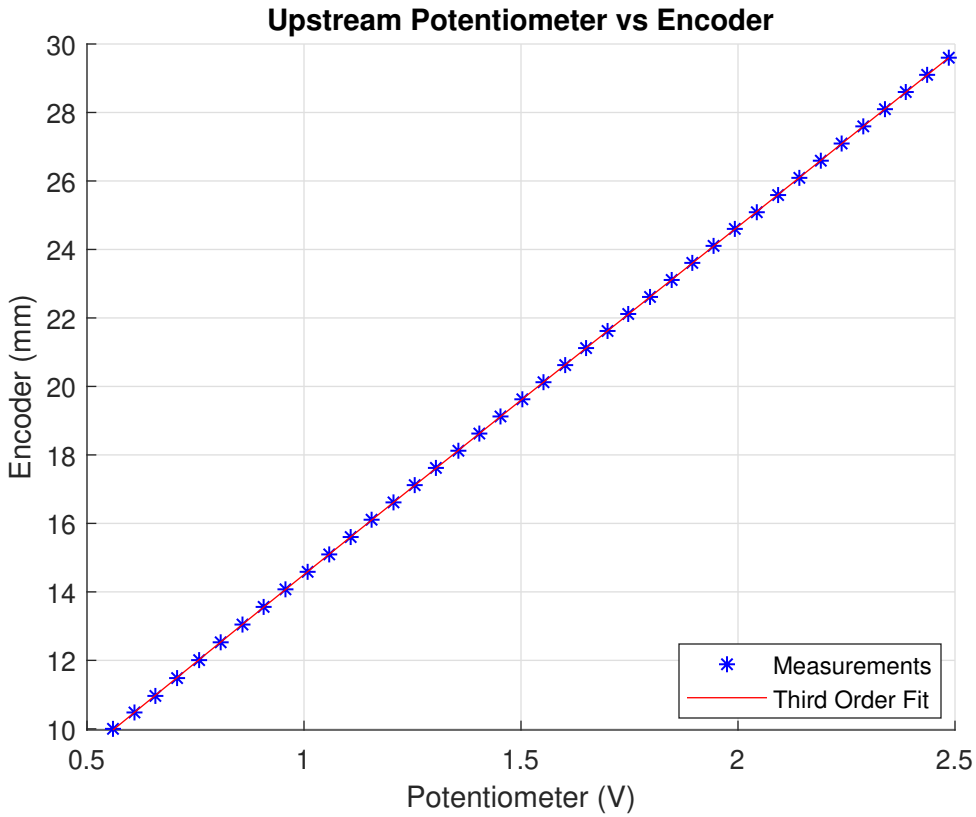
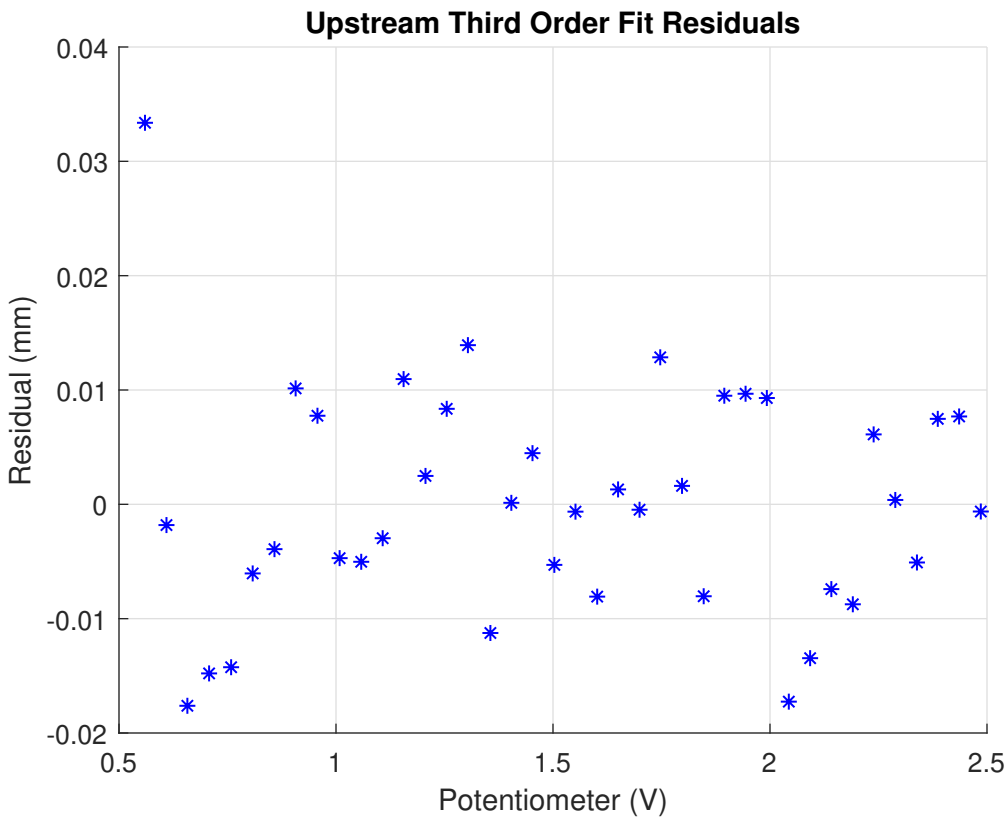
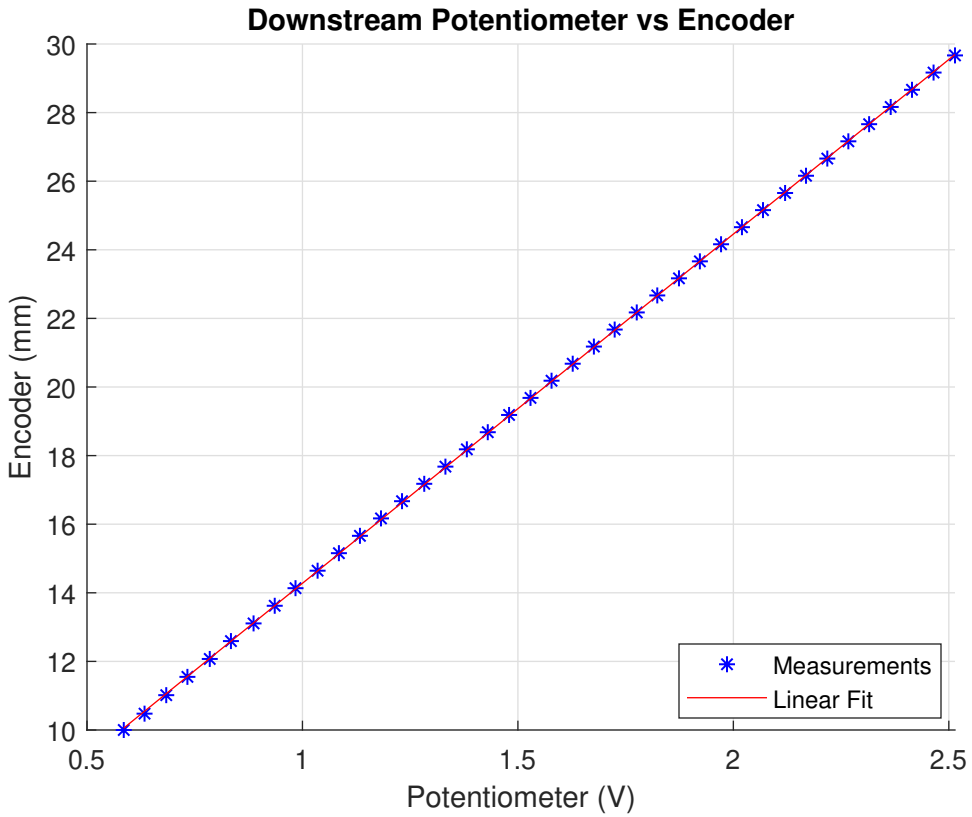
SLAC Magnetic Measurements#
Date: 06-14-2018#
Time: 18:34:35#

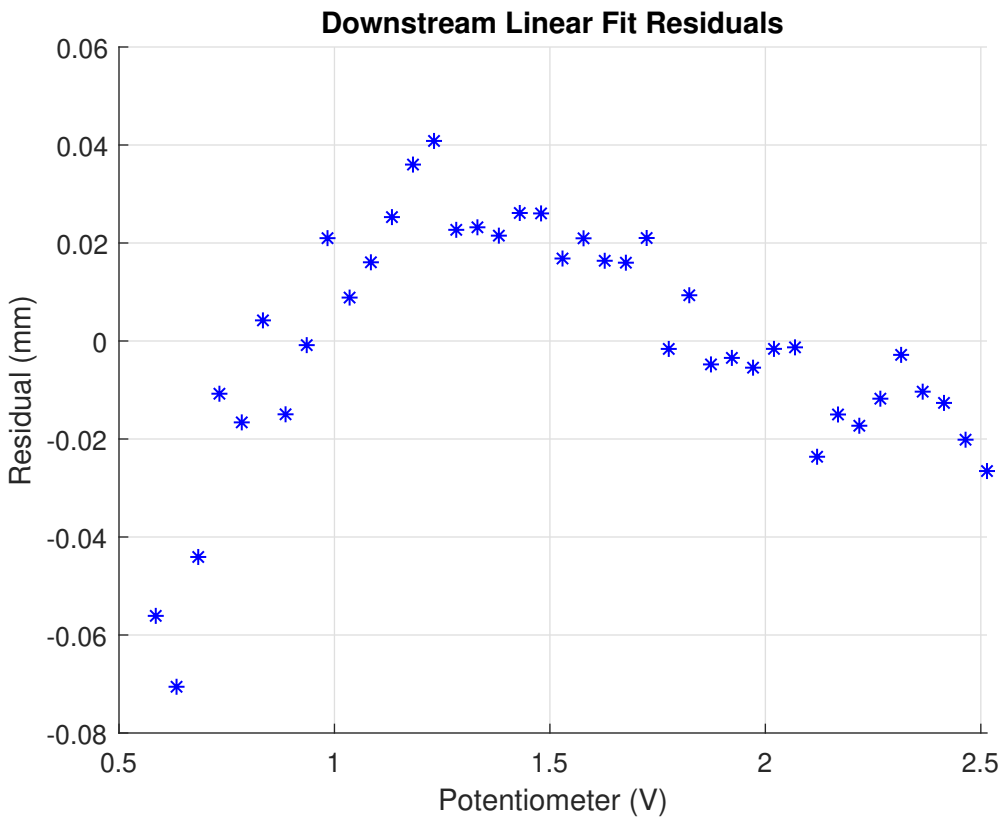

Upstream Potentiometer vs Encoder
Encoder (mm)
Potentiometer (V)
30
28
26
24
22
20
18
16
14
12
10
0.5
1
1.5
2
2.5
Measurements
Linear Fit

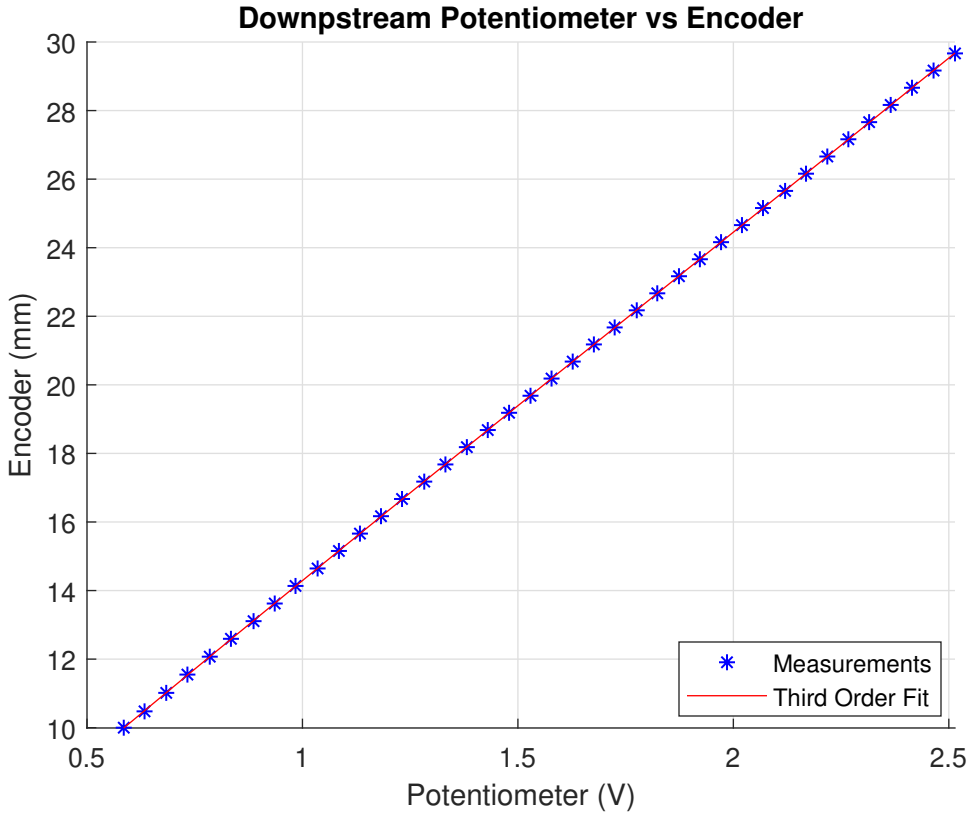

Upstream Linear Fit Residuals
Residual (mm)
Potentiometer (V)
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
0.5
1
1.5
2
2.5

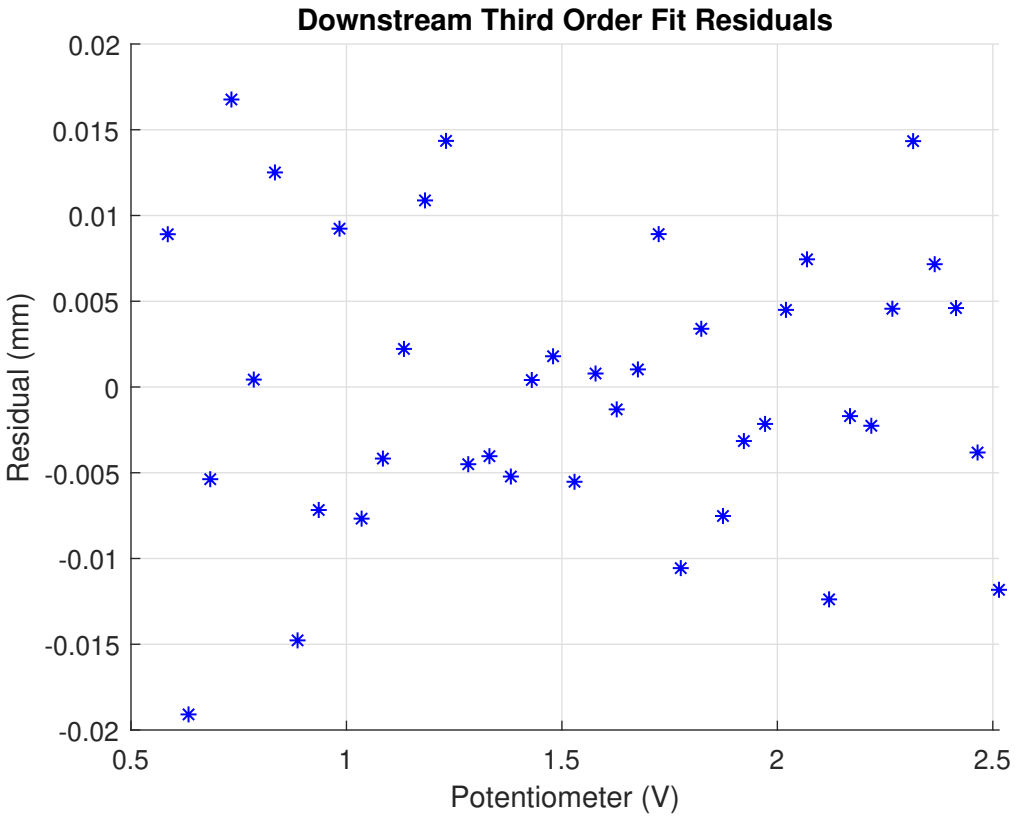

Upstream Potentiometer vs Encoder
Encoder (mm)
Potentiometer (V)
30
28
26
24
22
20
18
16
14
12
10
0.5
1
1.5
2
2.5
Measurements
Third Order Fit


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


Downstream 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


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


Downpstream 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


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