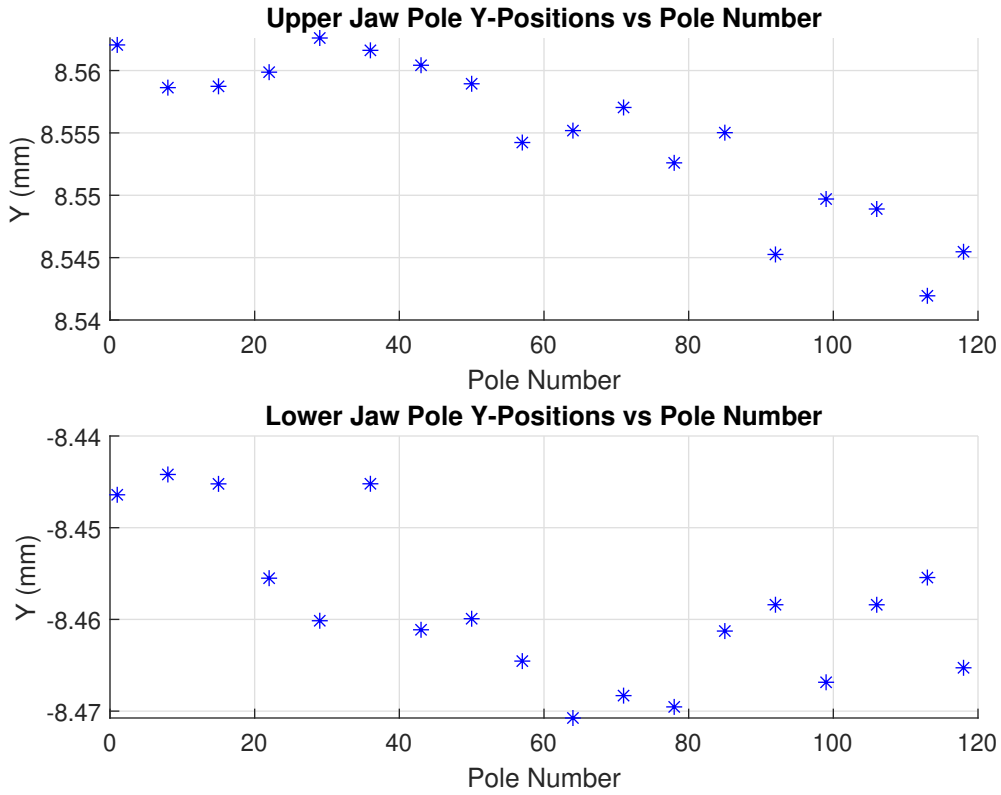
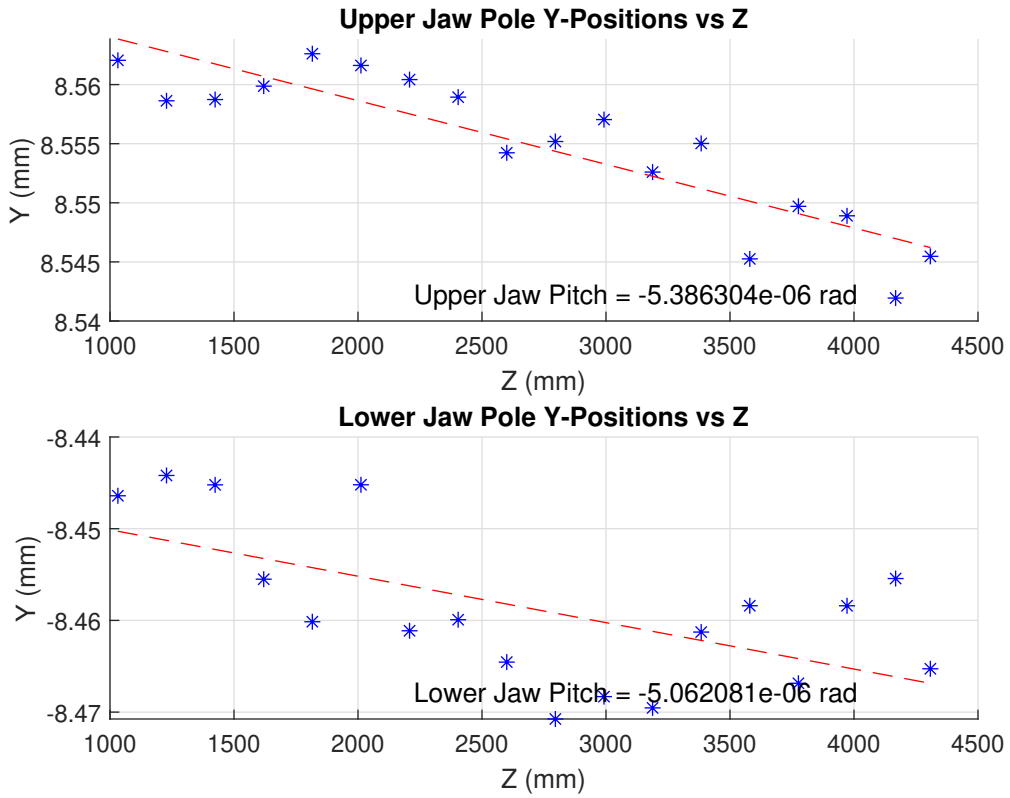
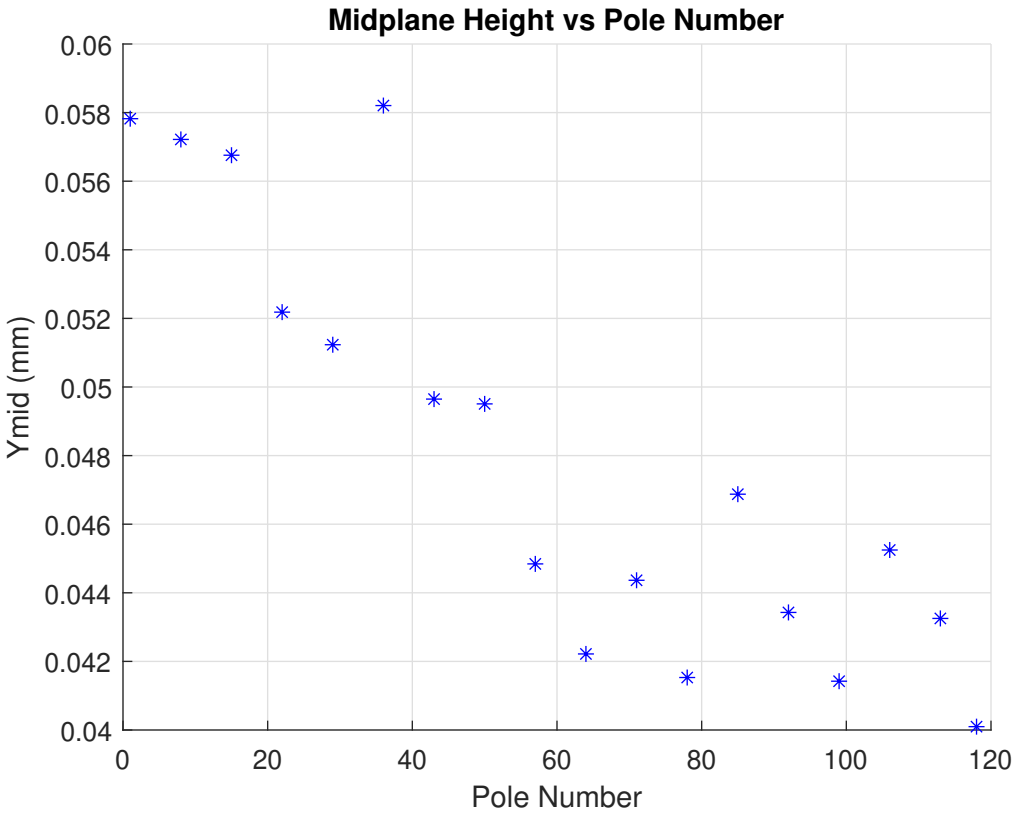
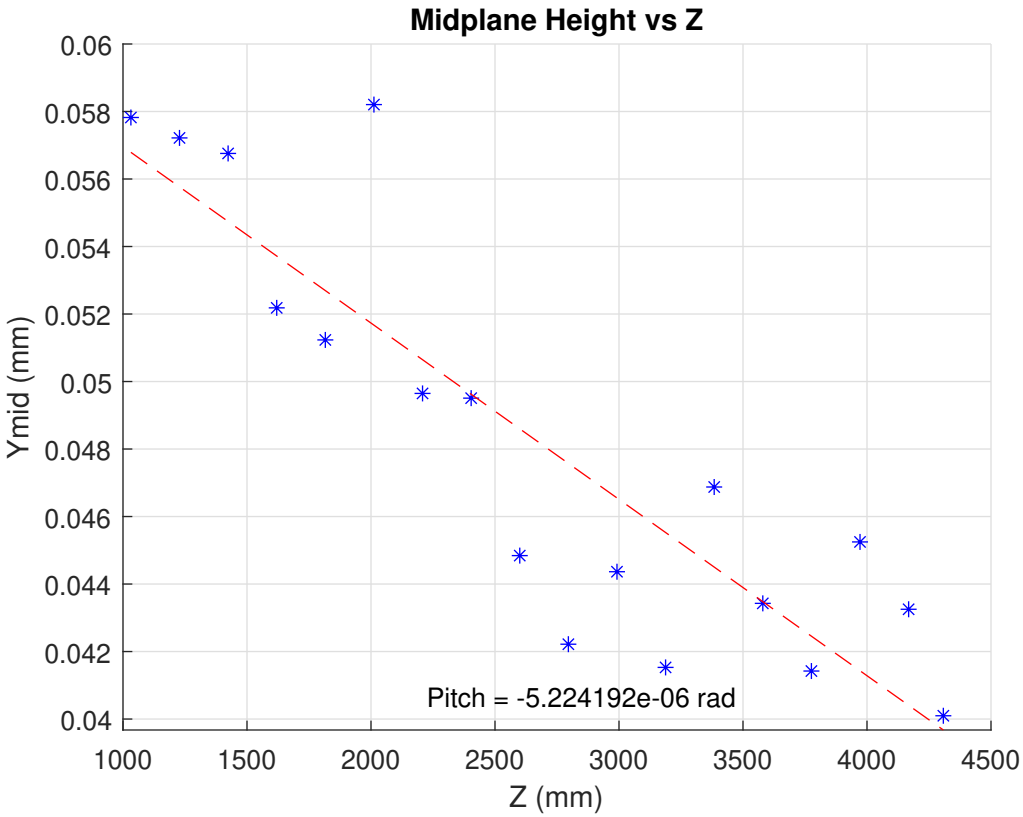
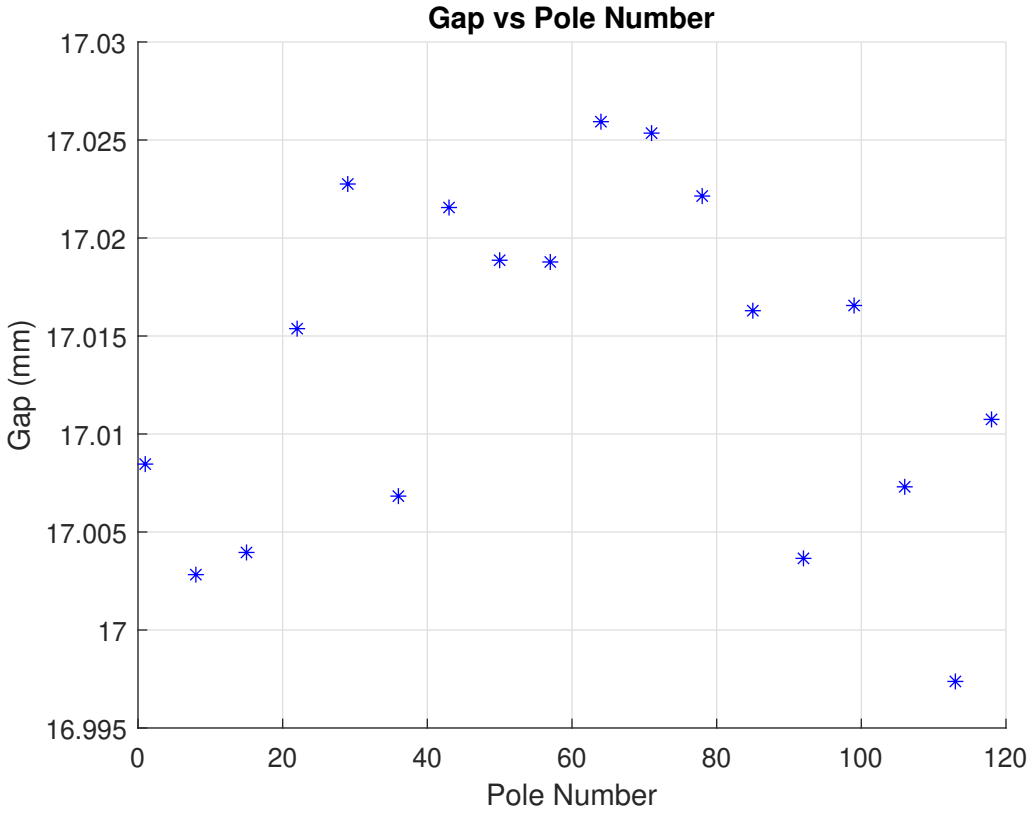
SLAC Magnetic Measurements#
Date: 09-01-2022#
Time: 14:23:46#

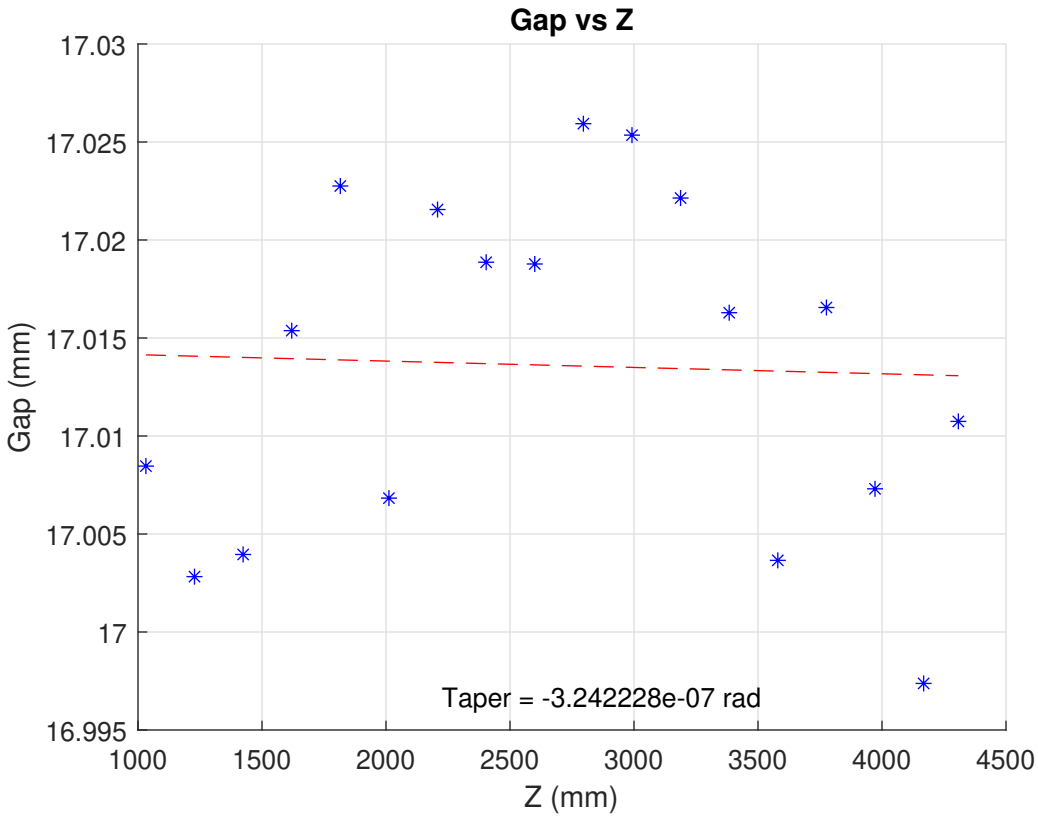

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
8.56
8.555
8.55
8.545
8.54
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-8.44
-8.45
-8.46
-8.47
0
20
40
60
80
100
120
Pole Number

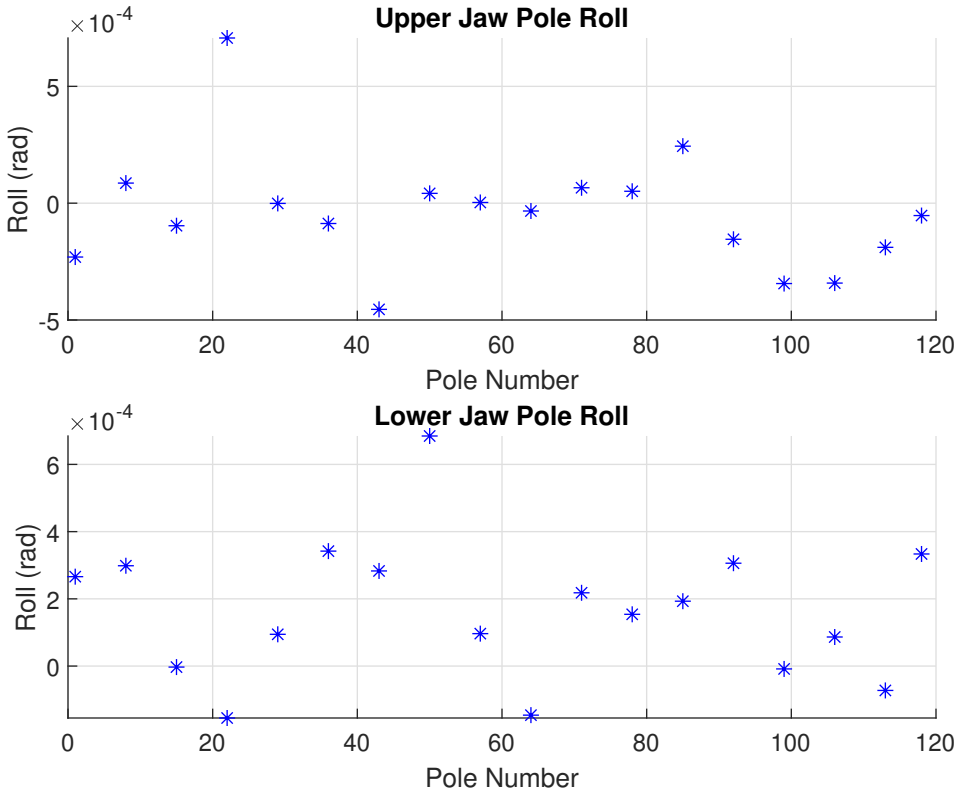

Upper Jaw Pole Y-Positions vs Z
Y (mm)
8.56
8.555
8.55
8.545
8.54
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Upper Jaw Pitch = -5.386304e-06 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-8.44
-8.45
-8.46
-8.47
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pitch = -5.062081e-06 rad

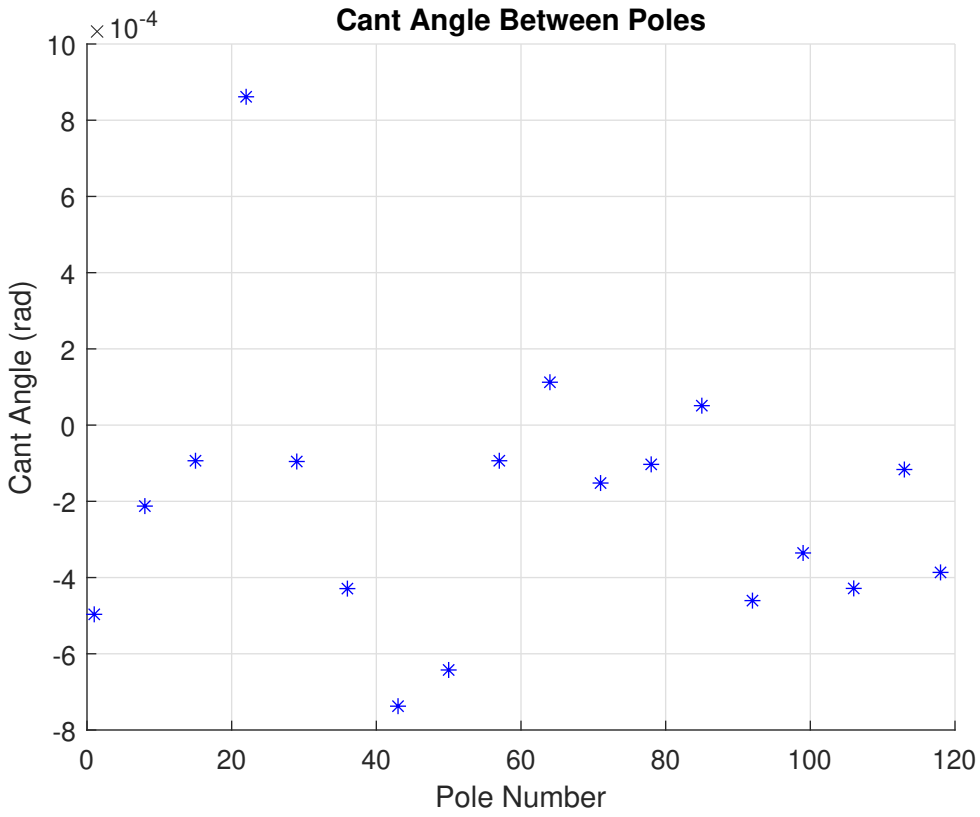

Midplane Height vs Pole Number
Ymid (mm)
0.06
0.058
0.056
0.054
0.052
0.05
0.048
0.046
0.044
0.042
0.04
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
Ymid (mm)
Z (mm)
Pitch = -5.224192e-06 rad
0.06
0.058
0.056
0.054
0.052
0.05
0.048
0.046
0.044
0.042
0.04
1000
1500
2000
2500
3000
3500
4000
4500


Gap vs Pole Number
17.03
17.025
17.02
17.015
17.01
17.005
17
16.995
Gap (mm)
0
20
40
60
80
100
120
Pole Number


Gap vs Z
17.03
17.025
17.02
17.015
17.01
17.005
17
16.995
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = -3.242228e-07 rad


Upper Jaw Pole Roll
×10^-4
5
0
-5
Roll (rad)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Roll
×10^-4
6
4
2
0
Roll (rad)
0
20
40
60
80
100
120
Pole Number


Cant Angle Between Poles
×10^-4
10
8
6
4
2
0
-2
-4
-6
-8
Cant Angle (rad)
0
20
40
60
80
100
120
Pole Number