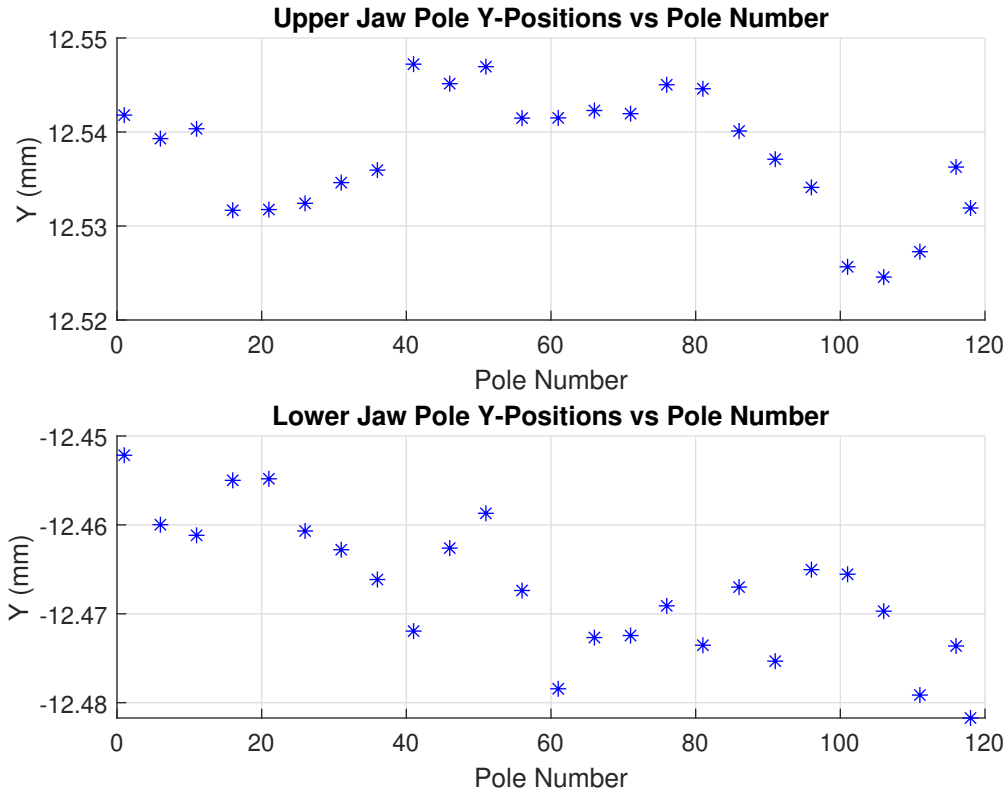
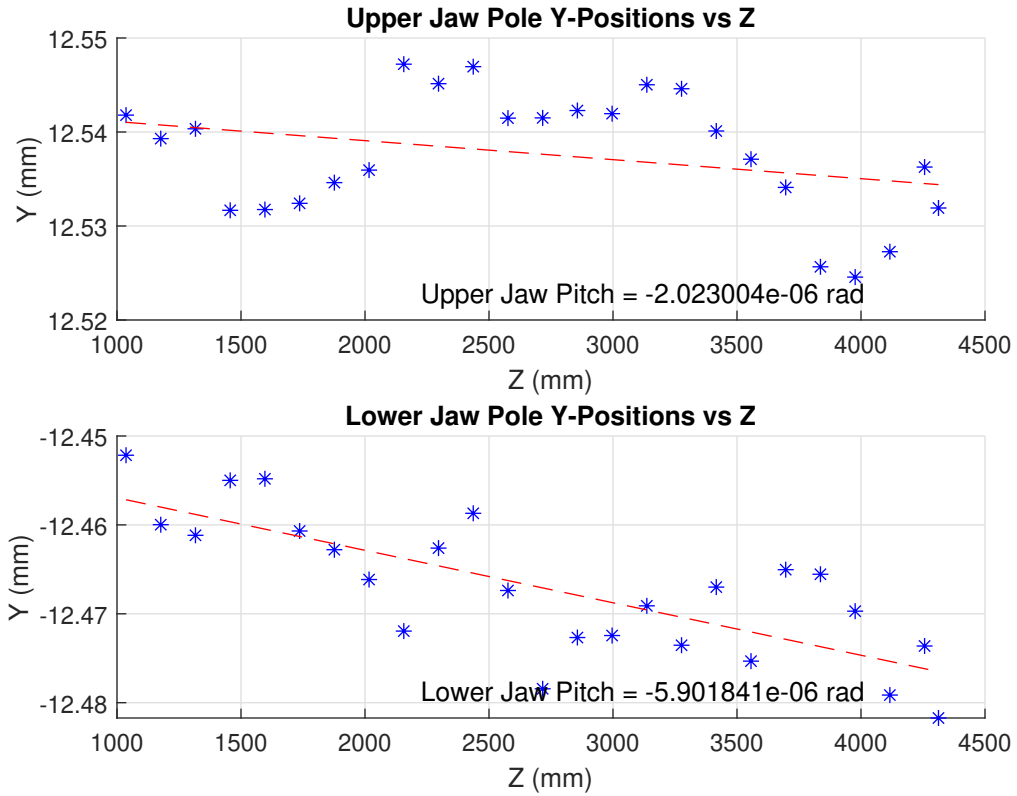
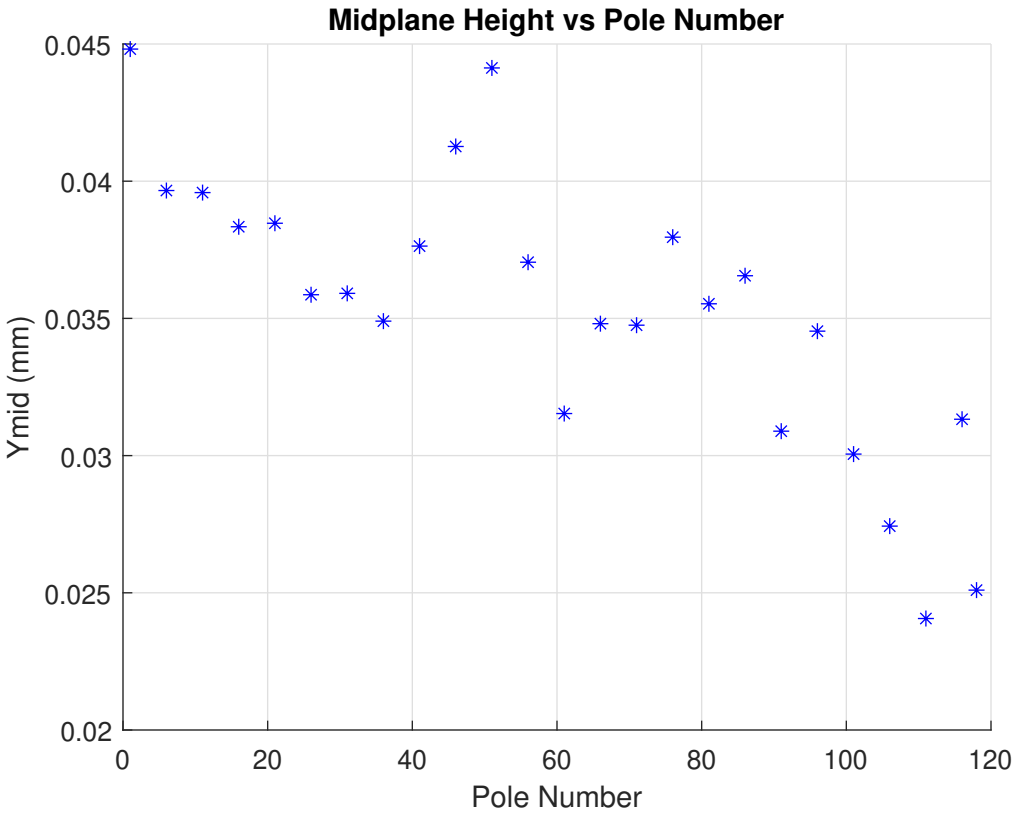
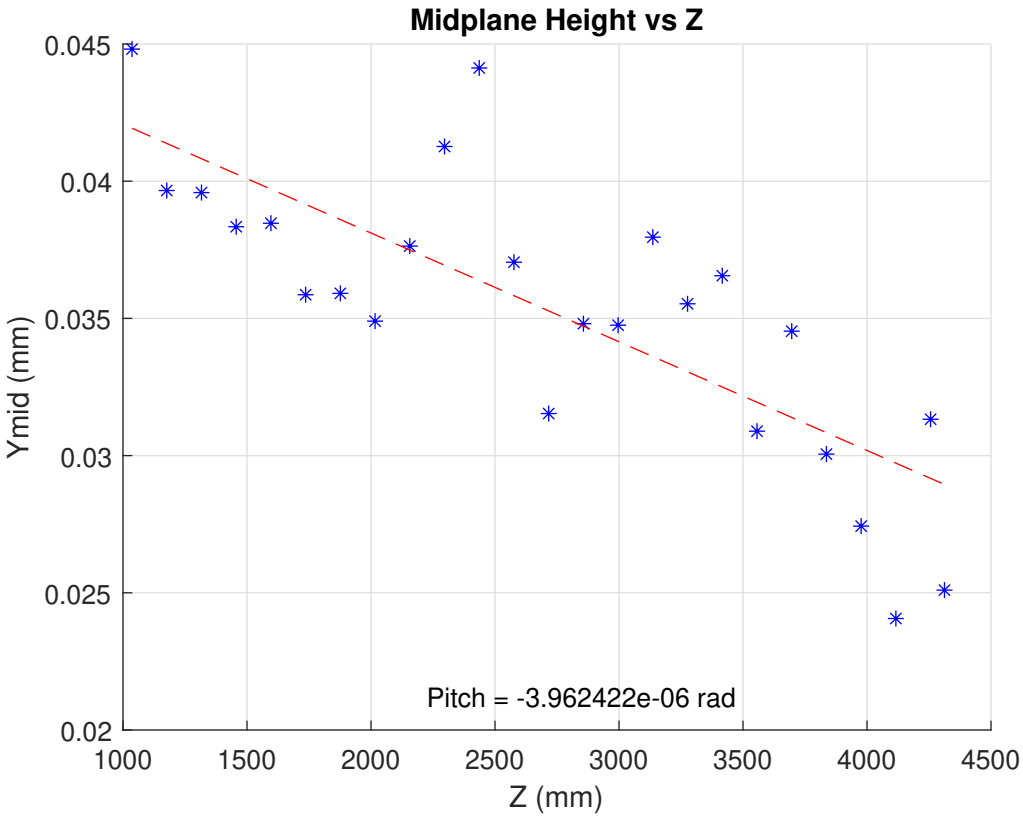
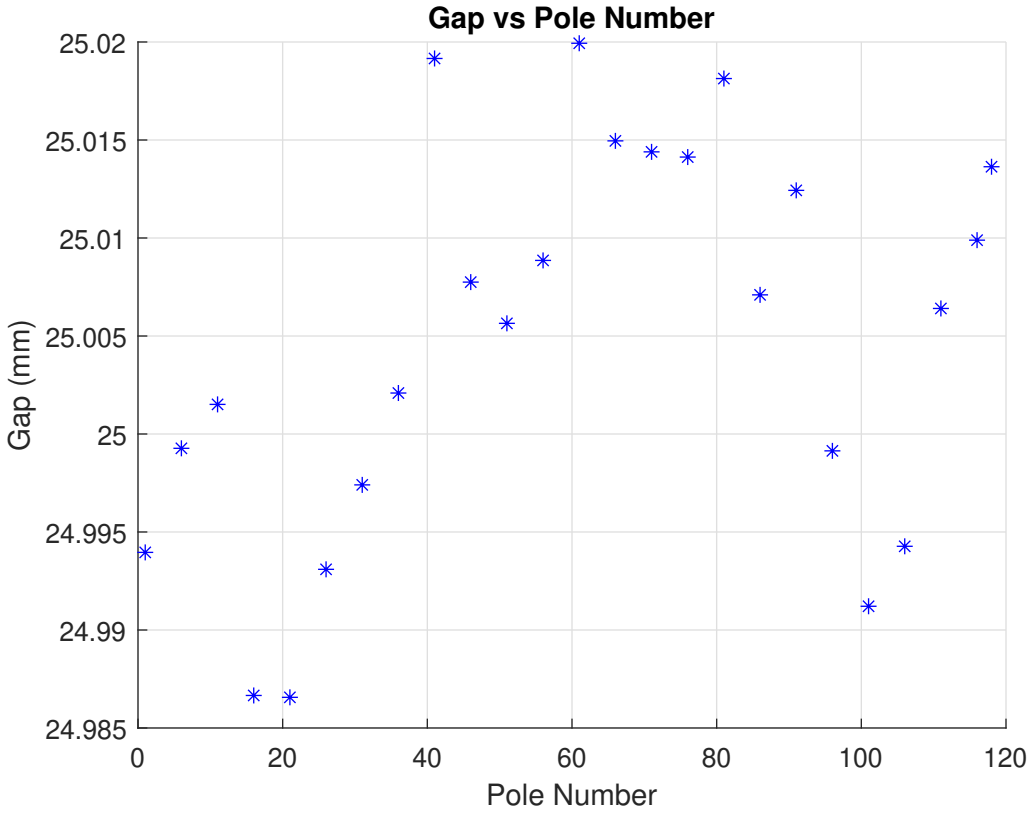
SLAC Magnetic Measurements#
Date: 05-28-2024#
Time: 17:42:08#

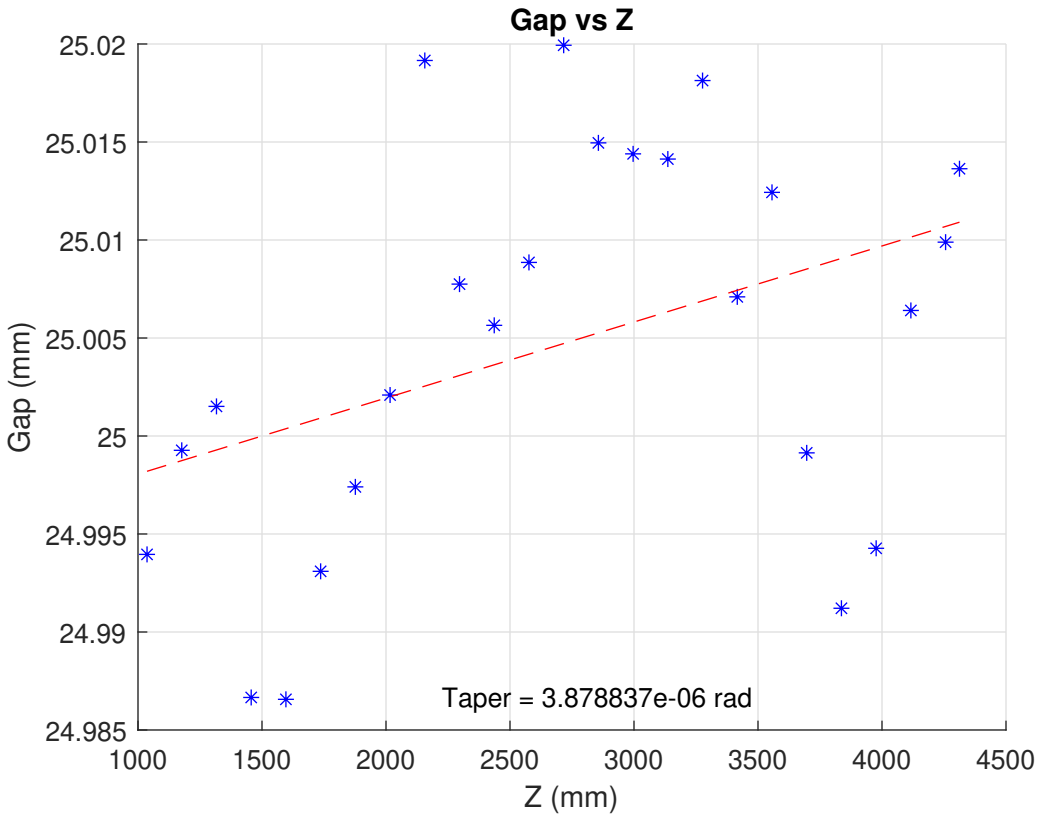

Upper Jaw Pole Y-Positions vs Pole Number
12.55
12.54
12.53
12.52
Y (mm)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
-12.45
-12.46
-12.47
-12.48
Y (mm)
0
20
40
60
80
100
120
Pole Number

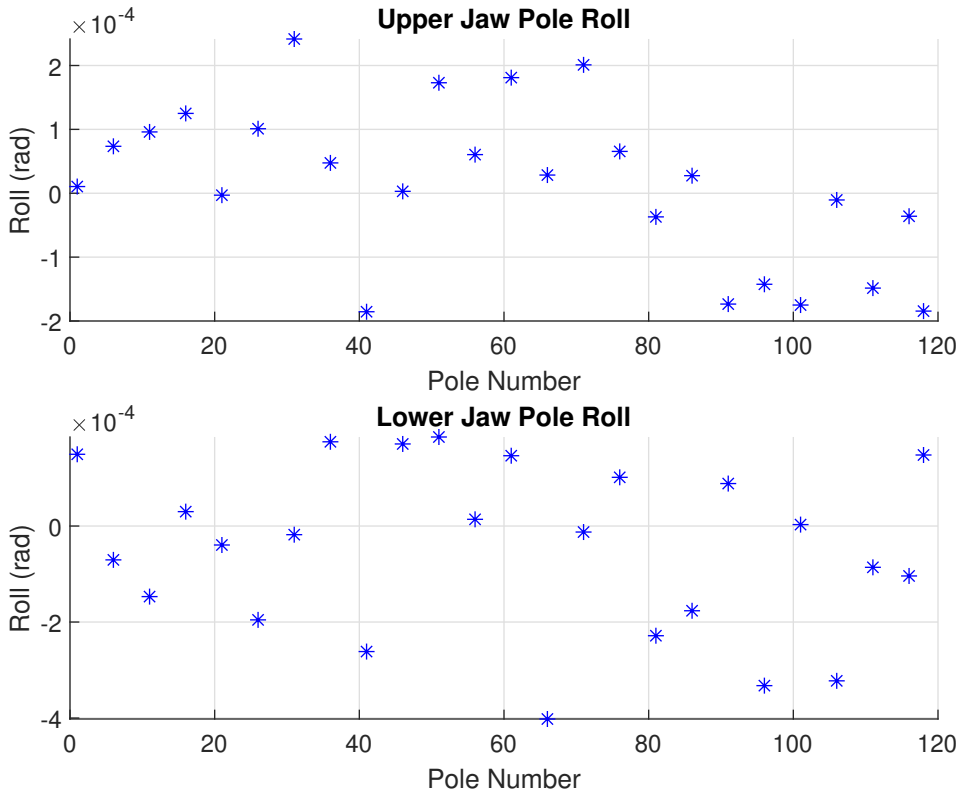

Upper Jaw Pole Y-Positions vs Z
12.55
12.54
12.53
12.52
Y (mm)
Upper Jaw Pitch = -2.023004e-06 rad
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
-12.45
-12.46
-12.47
-12.48
Y (mm)
Lower Jaw Pitch = -5.901841e-06 rad
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

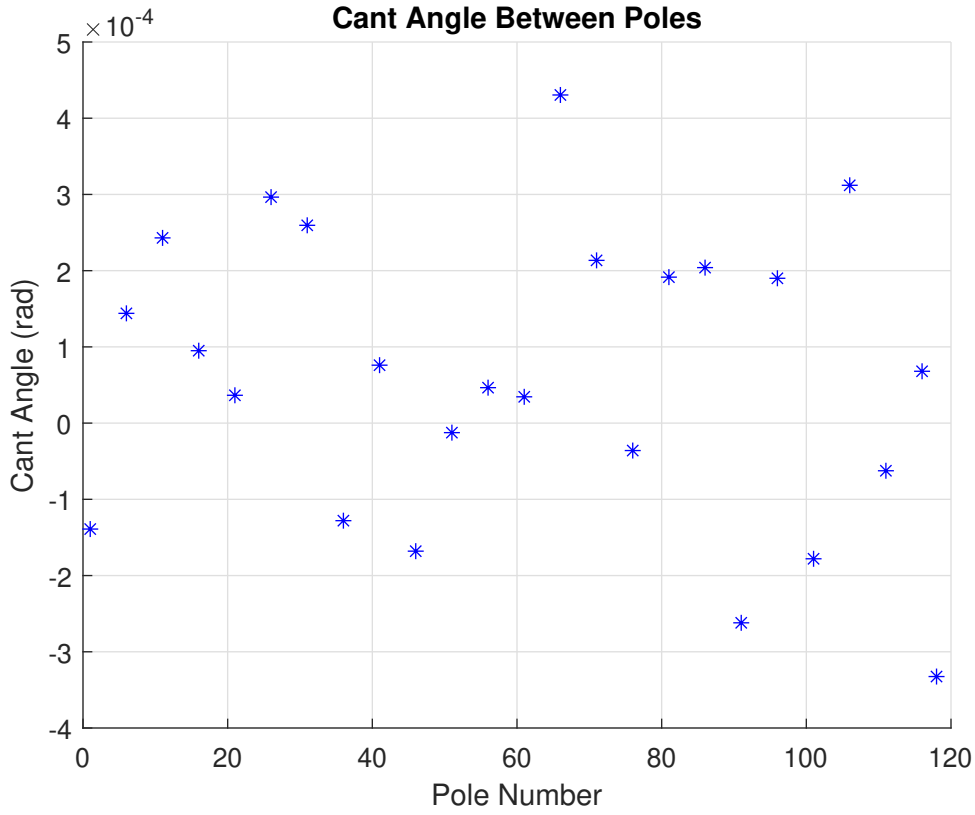

Midplane Height vs Pole Number
Ymid (mm)
0.045
0.04
0.035
0.03
0.025
0.02
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
0.045
0.04
0.035
0.03
0.025
0.02
Ymid (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -3.962422e-06 rad


Gap vs Pole Number
25.02
25.015
25.01
25.005
25
24.995
24.99
24.985
Gap (mm)
0
20
40
60
80
100
120
Pole Number


Gap vs Z
25.02
25.015
25.01
25.005
25
24.995
24.99
24.985
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = 3.878837e-06 rad


Upper Jaw Pole Roll
×10^-4
Roll (rad)
2
1
0
-1
-2
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Roll
×10^-4
Roll (rad)
0
-2
-4
0
20
40
60
80
100
120
Pole Number


Cant Angle Between Poles
×10^-4
5
4
3
2
1
0
-1
-2
-3
-4
Cant Angle (rad)
0
20
40
60
80
100
120
Pole Number