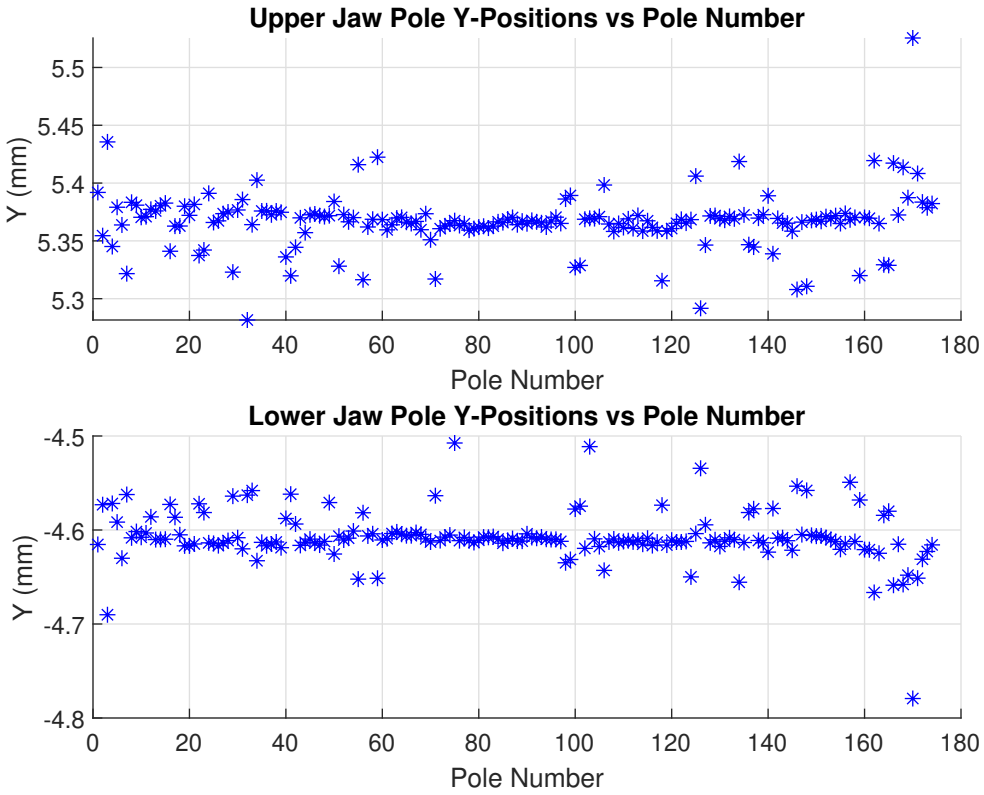
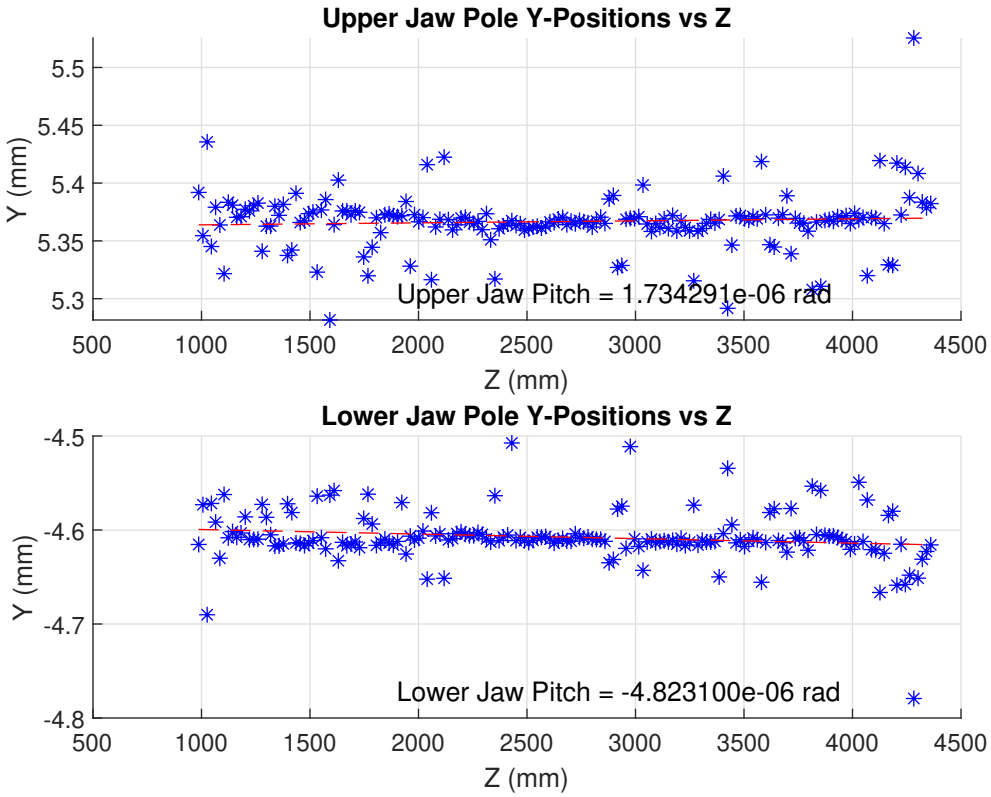
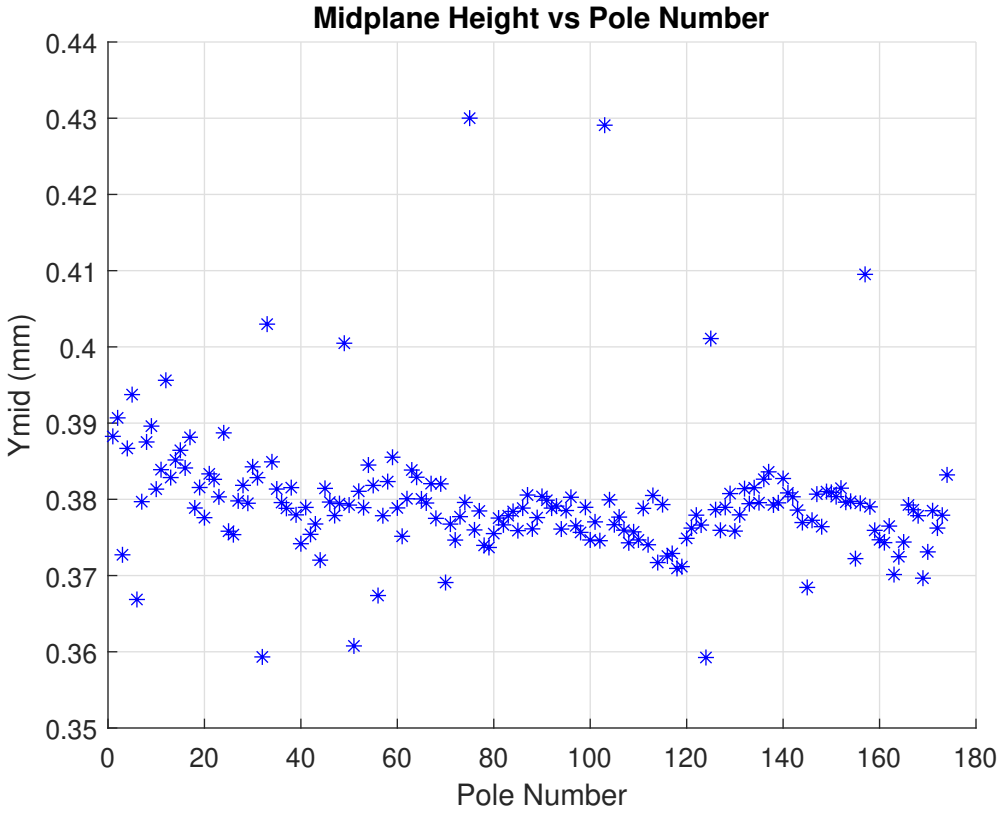
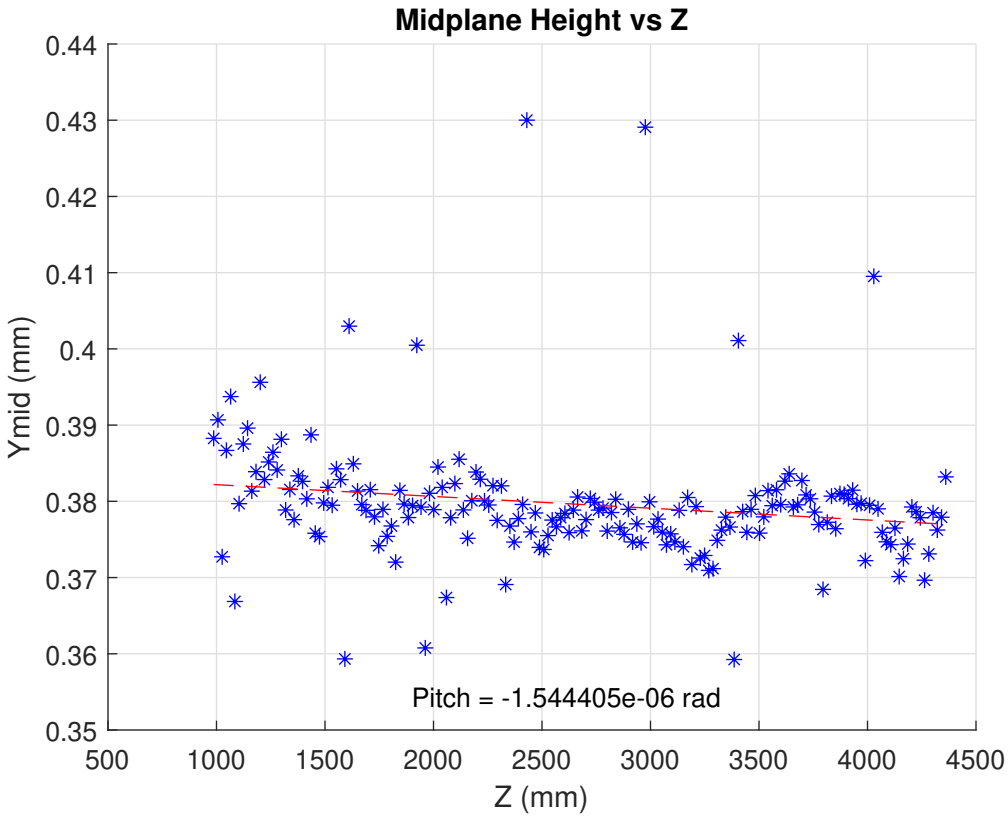
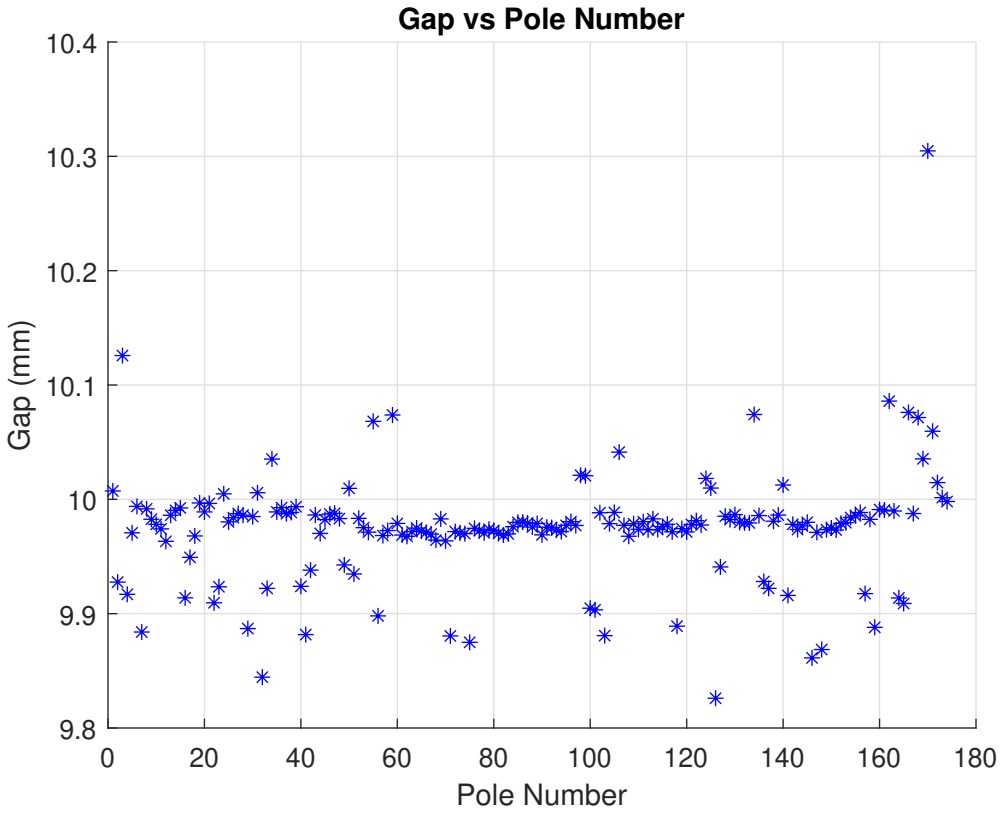
SLAC Magnetic Measurements
Date: 04-22-2025
Time: 14:02:42

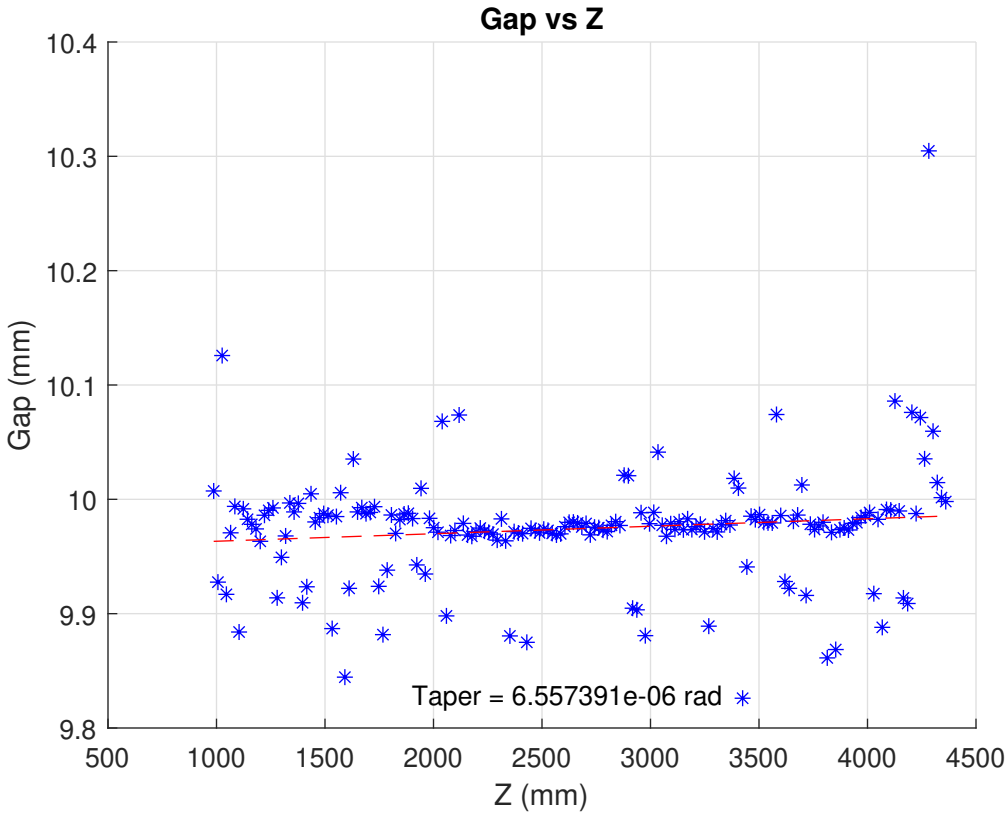

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
5.5
5.45
5.4
5.35
5.3
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-4.5
-4.6
-4.7
-4.8
0
20
40
60
80
100
120
140
160
180
Pole Number

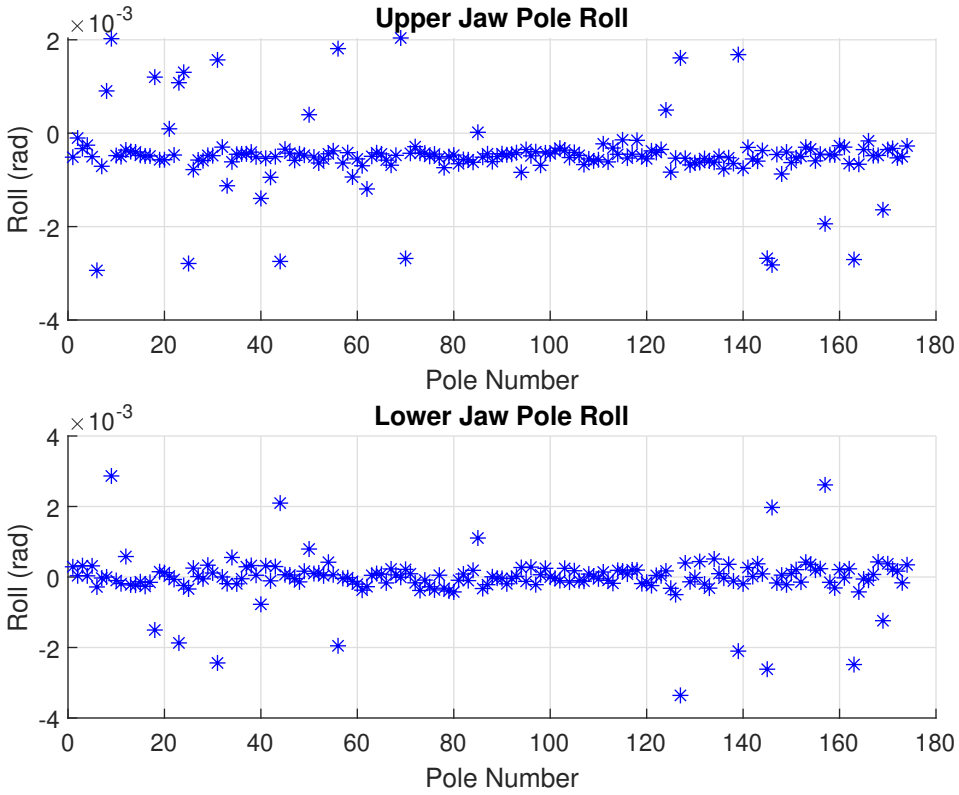

Upper Jaw Pole Y-Positions vs Z
Y (mm)
5.5
5.45
5.4
5.35
5.3
Upper Jaw Pitch = 1.734291e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-4.5
-4.6
-4.7
-4.8
Lower Jaw Pitch = -4.823100e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

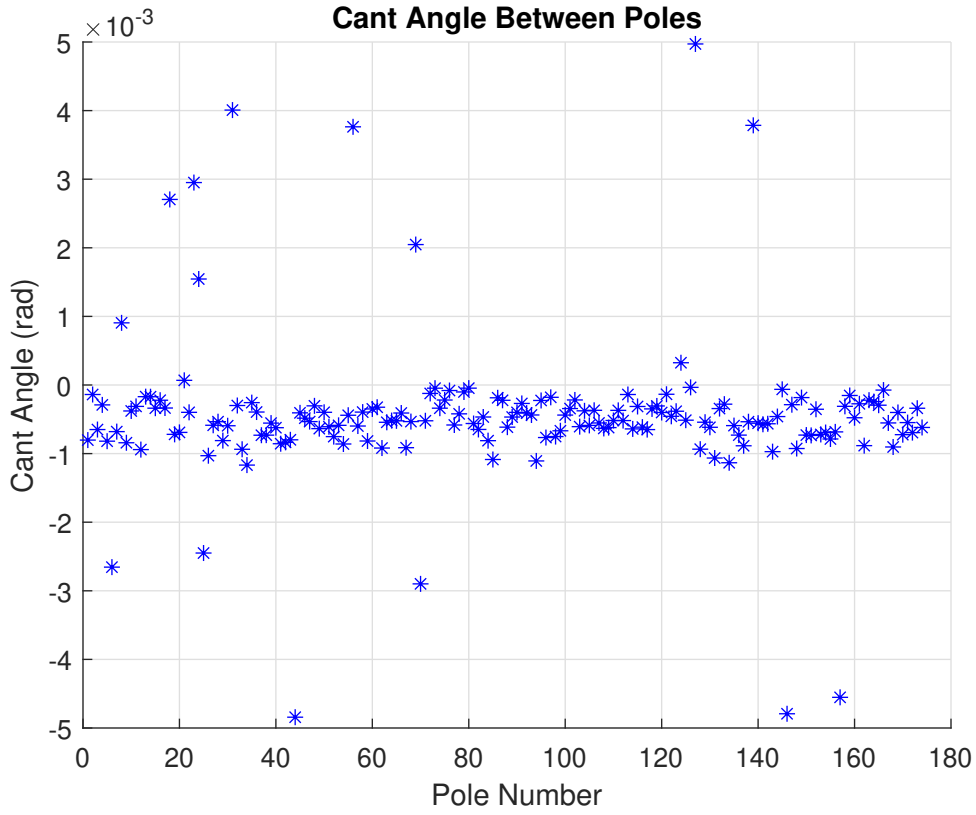

Midplane Height vs Pole Number
Ymid (mm)
Pole Number
0.44
0.43
0.42
0.41
0.4
0.39
0.38
0.37
0.36
0.35
0
20
40
60
80
100
120
140
160
180


Midplane Height vs Z
Ymid (mm)
Z (mm)
Pitch = -1.544405e-06 rad
0.44
0.43
0.42
0.41
0.4
0.39
0.38
0.37
0.36
0.35
500
1000
1500
2000
2500
3000
3500
4000
4500


Gap vs Pole Number
Gap (mm)
Pole Number
10.4
10.3
10.2
10.1
10
9.9
9.8
0
20
40
60
80
100
120
140
160
180


Gap vs Z
Gap (mm)
Z (mm)
Taper = 6.557391e-06 rad
10.4
10.3
10.2
10.1
10
9.9
9.8
500
1000
1500
2000
2500
3000
3500
4000
4500


Upper Jaw Pole Roll
×10^-3
2
0
-2
-4
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Roll
×10^-3
4
2
0
-2
-4
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number


Cant Angle Between Poles
×10-3
5
4
3
2
1
0
-1
-2
-3
-4
-5
Cant Angle (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number