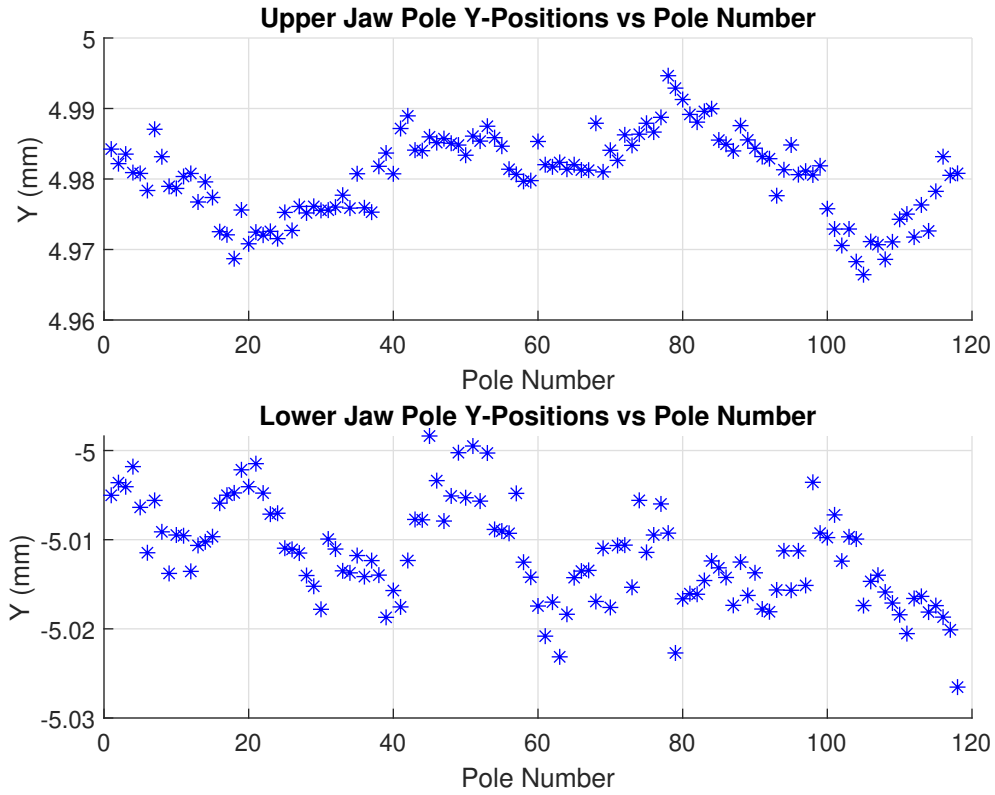
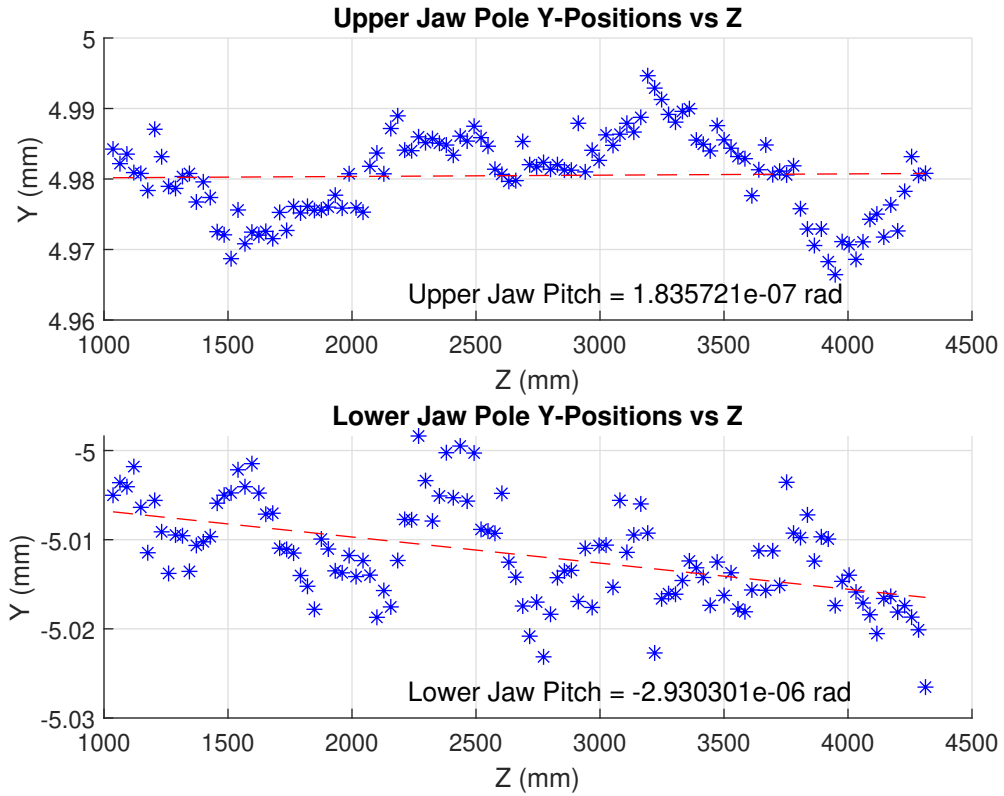
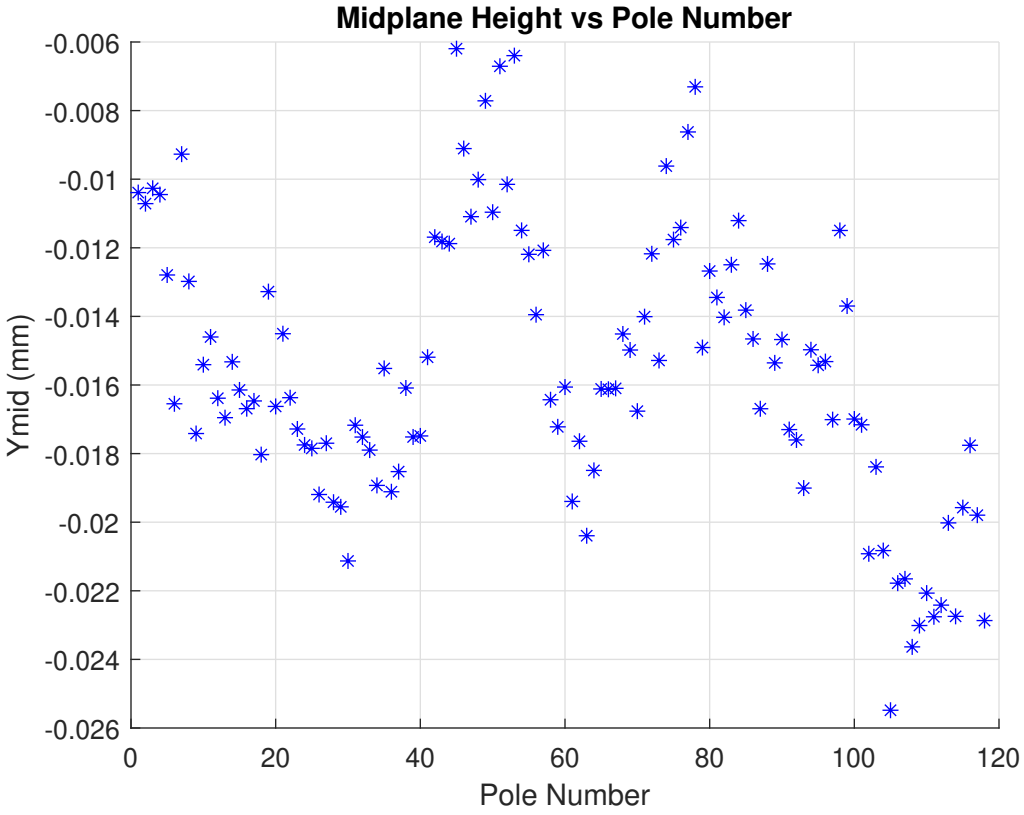
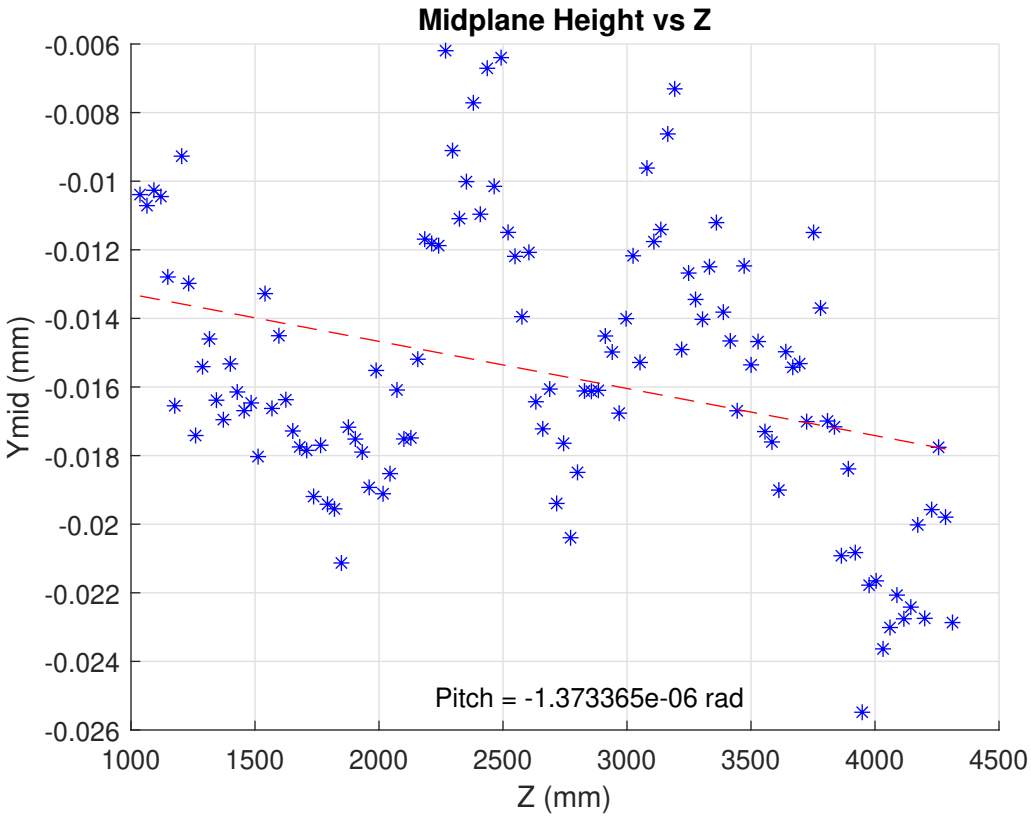
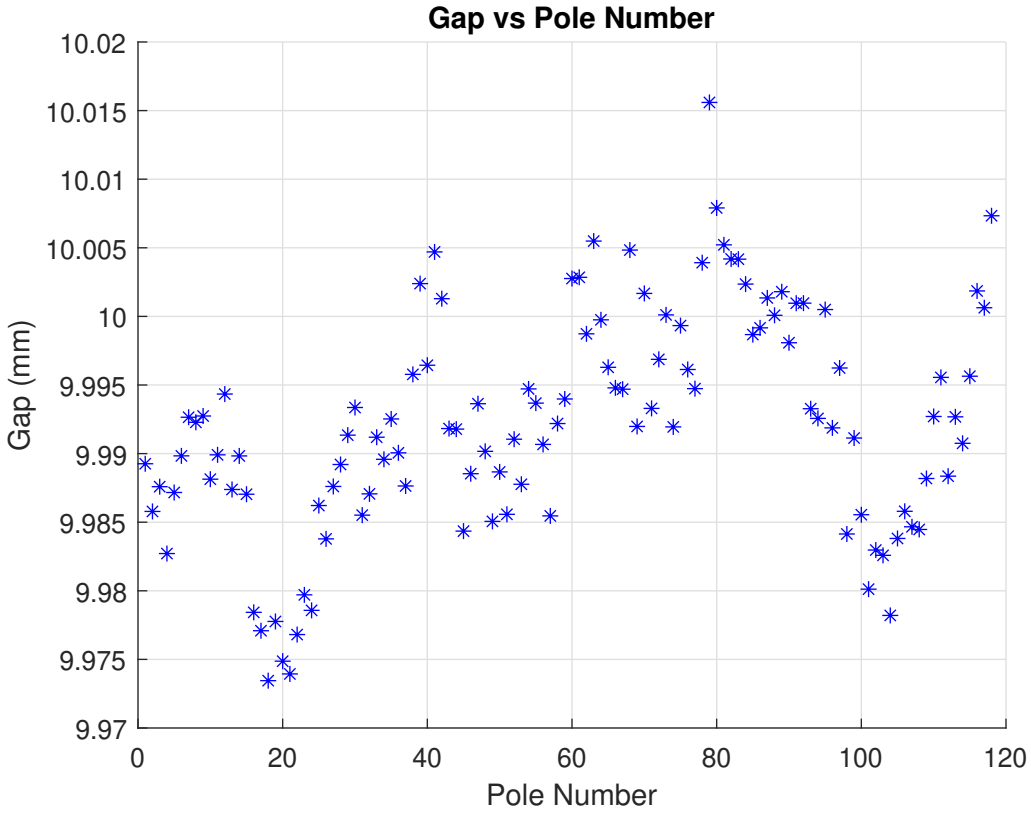
SLAC Magnetic Measurements
Date: 04-17-2025
Time: 11:47:15

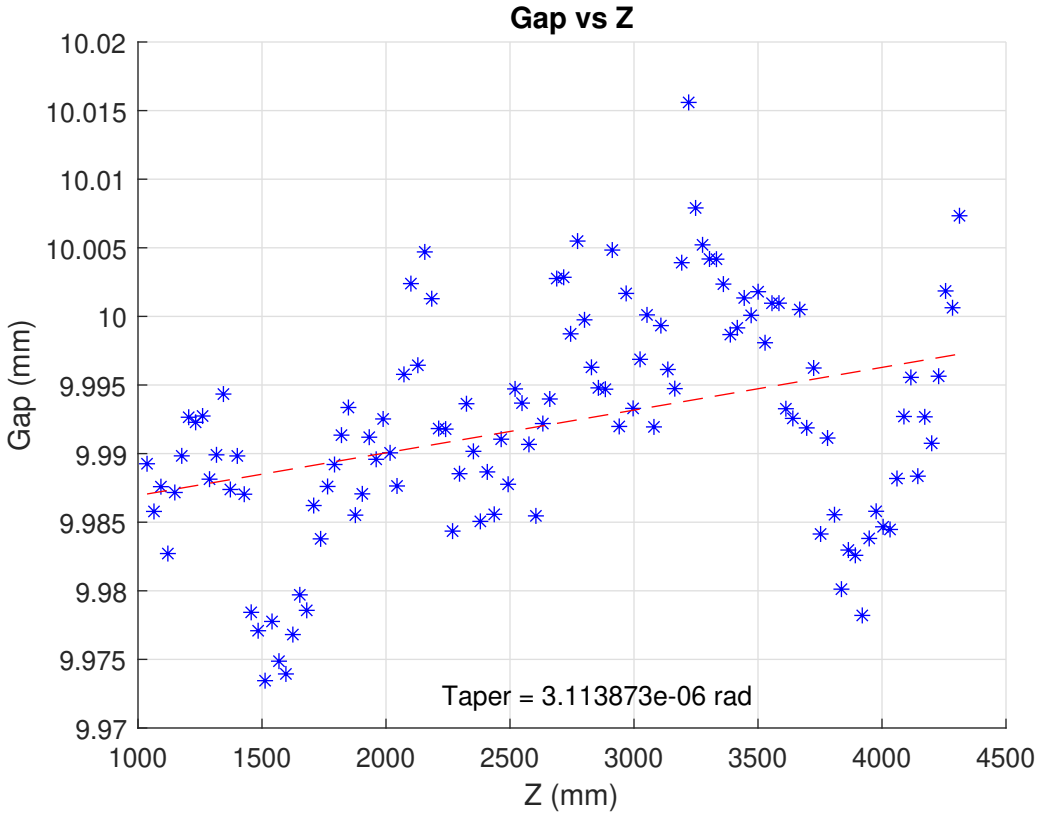

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
5
4.99
4.98
4.97
4.96
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-5
-5.01
-5.02
-5.03
0
20
40
60
80
100
120
Pole Number

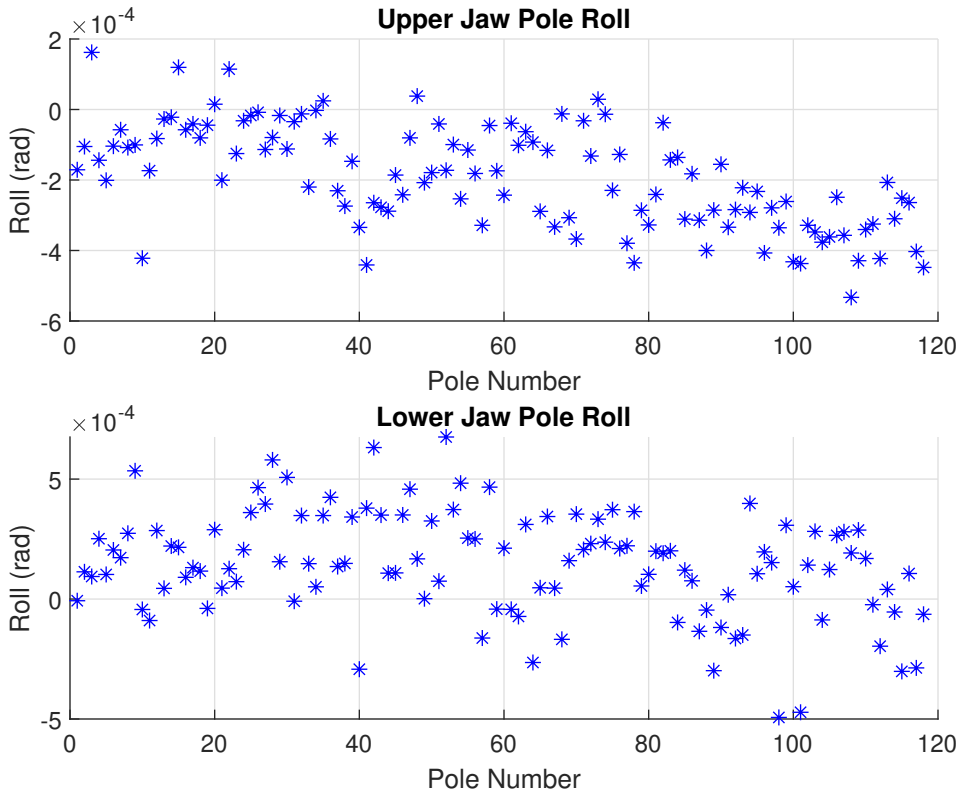

Upper Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Upper Jaw Pitch = 1.835721e-07 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Lower Jaw Pitch = -2.930301e-06 rad

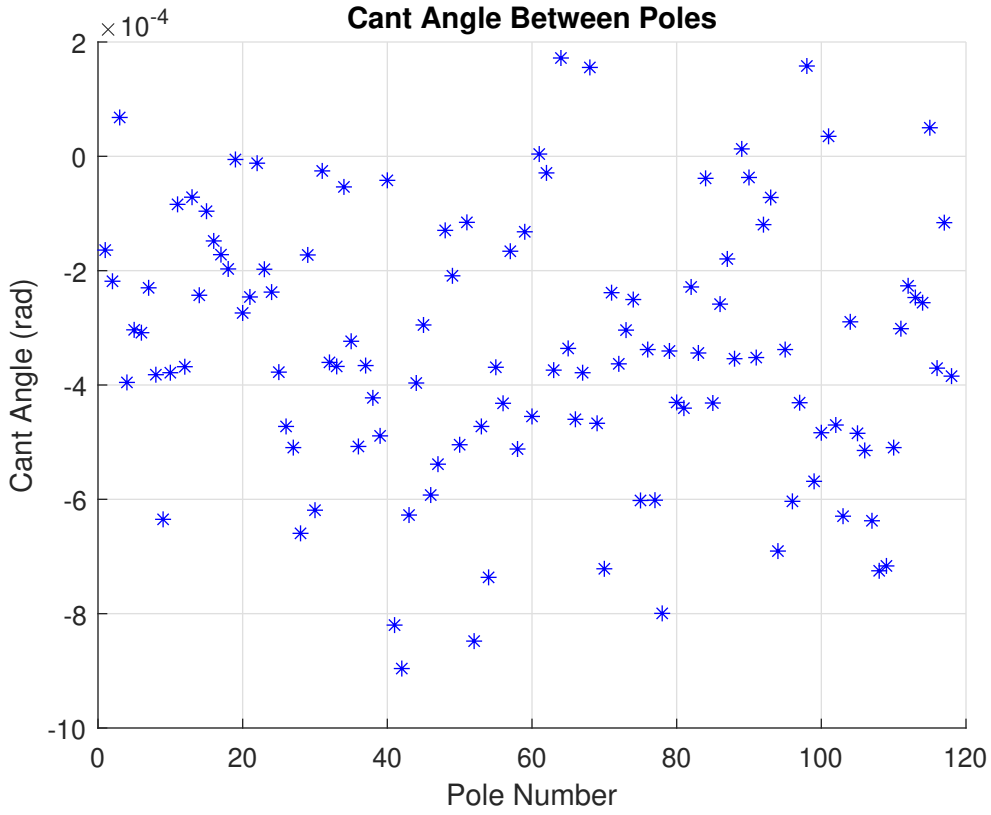

Midplane Height vs Pole Number
Ymid (mm)
-0.006
-0.008
-0.01
-0.012
-0.014
-0.016
-0.018
-0.02
-0.022
-0.024
-0.026
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
Ymid (mm)
-0.006
-0.008
-0.01
-0.012
-0.014
-0.016
-0.018
-0.02
-0.022
-0.024
-0.026
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -1.373365e-06 rad


Gap vs Pole Number
Gap (mm)
Pole Number
10.02
10.015
10.01
10.005
10
9.995
9.99
9.985
9.98
9.975
9.97
0
20
40
60
80
100
120


Gap vs Z
Gap (mm)
Z (mm)
Taper = 3.113873e-06 rad
10.02
10.015
10.01
10.005
10
9.995
9.99
9.985
9.98
9.975
9.97
1000
1500
2000
2500
3000
3500
4000
4500


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


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