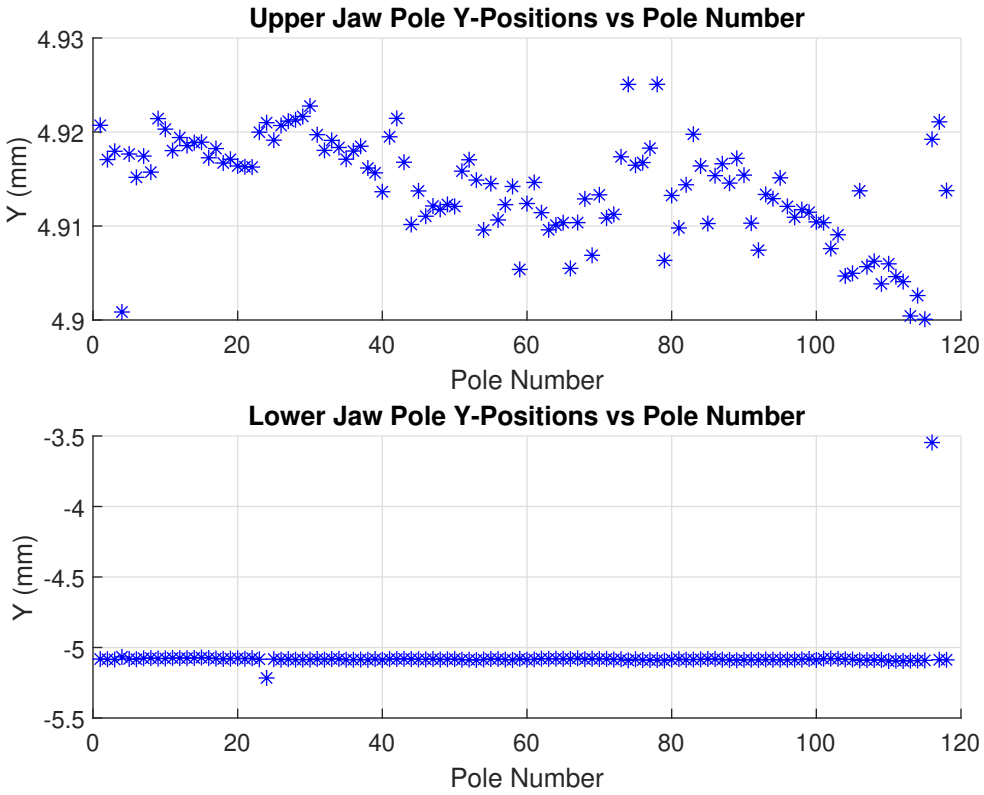
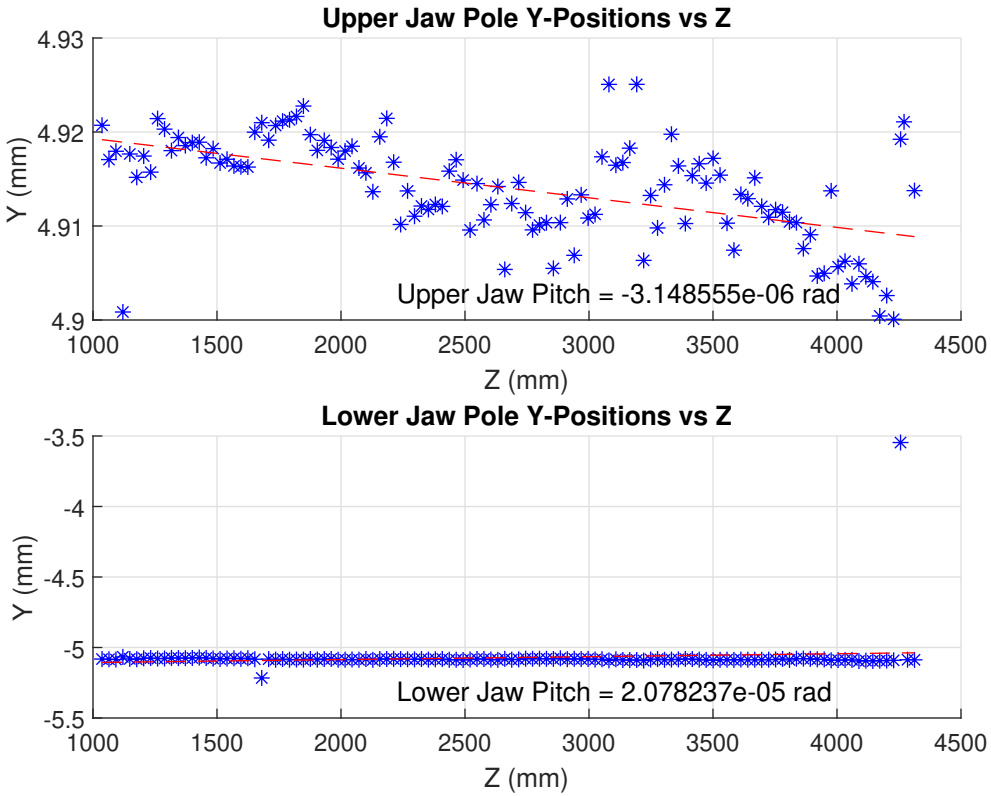
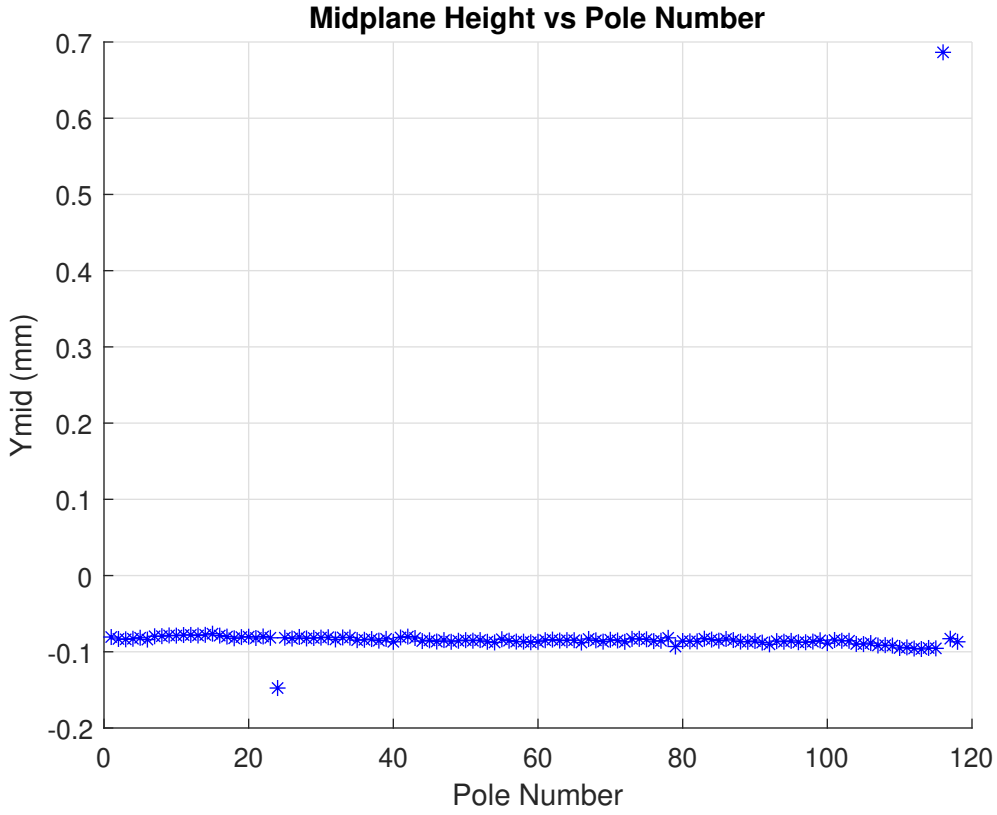
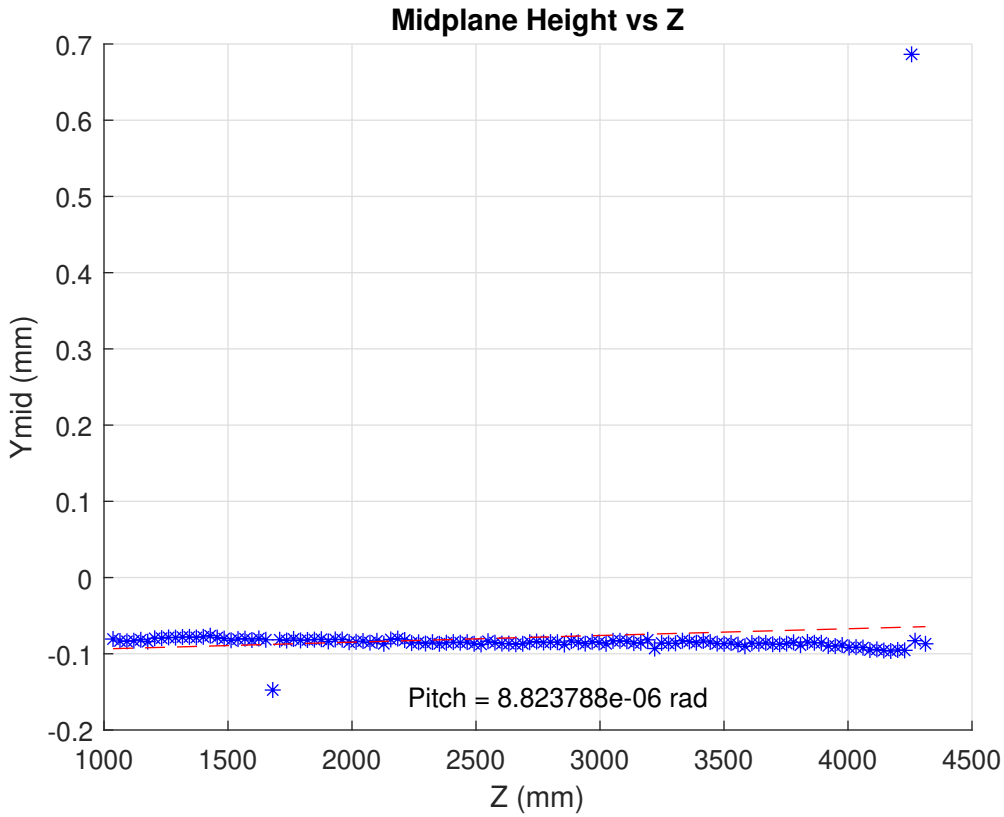
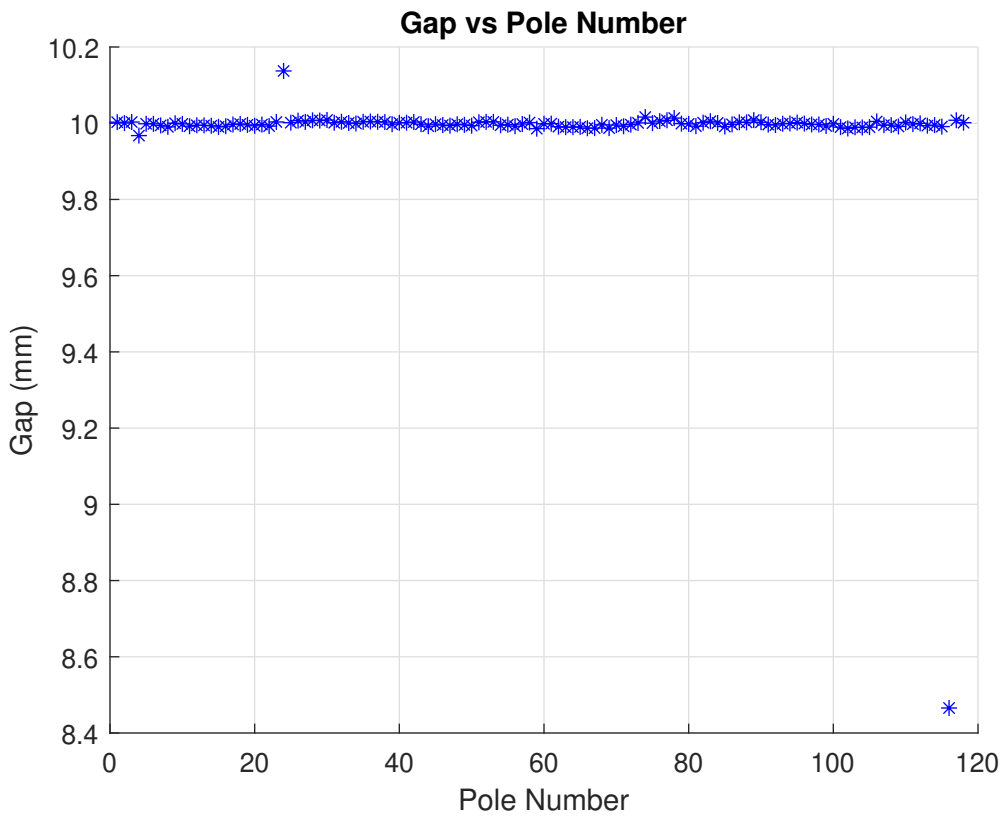
SLAC Magnetic Measurements#
Date: 08-19-2024#
Time: 20:52:22#

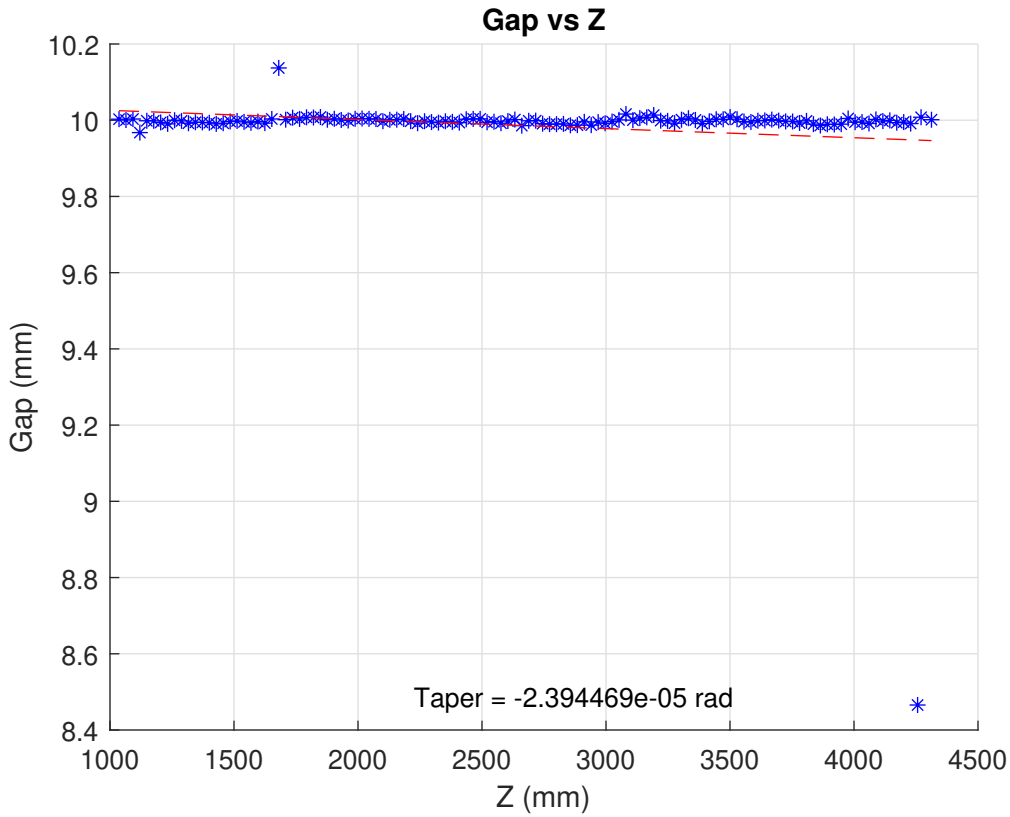

Upper Jaw Pole Y-Positions vs Pole Number
4.93
4.92
4.91
4.9
Y (mm)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
-3.5
-4
-4.5
-5
-5.5
Y (mm)
0
20
40
60
80
100
120
Pole Number

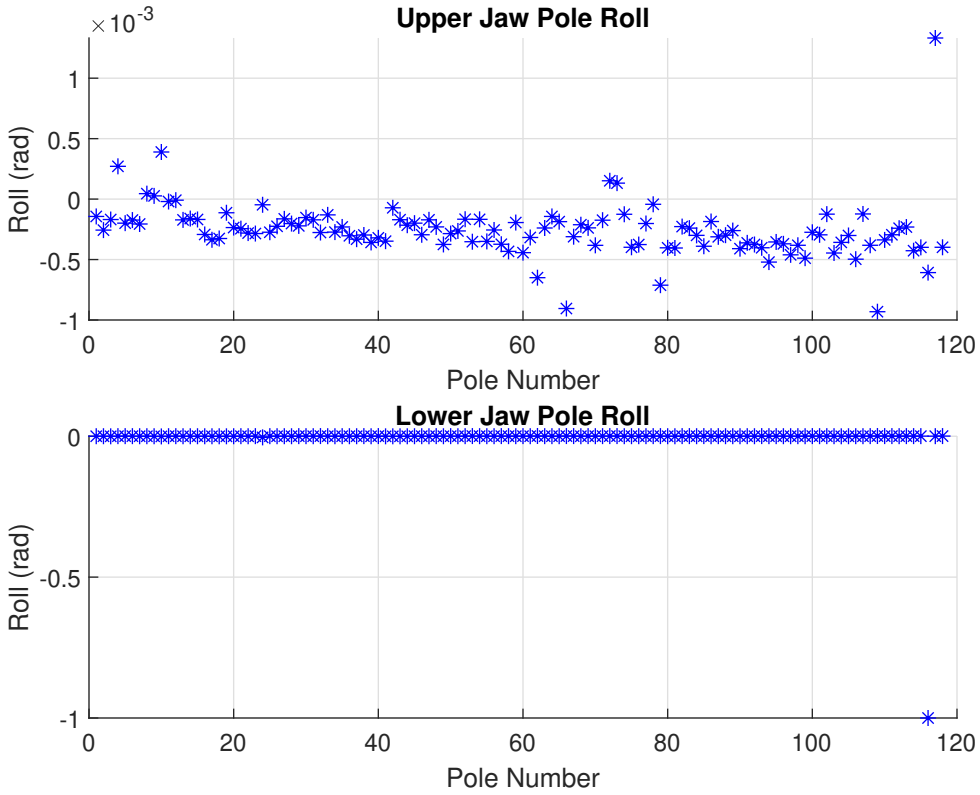

Upper Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Upper Jaw Pitch = -3.148555e-06 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Lower Jaw Pitch = 2.078237e-05 rad

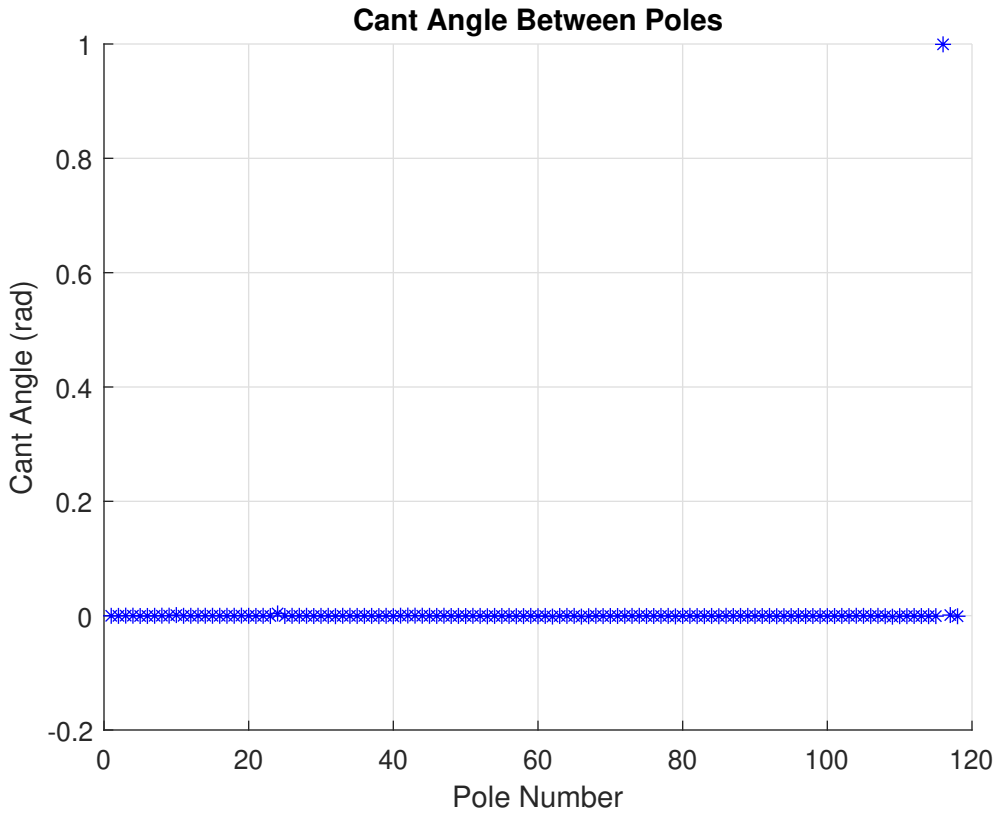

Midplane Height vs Pole Number
Ymid (mm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
Ymid (mm)
Z (mm)
Pitch = 8.823788e-06 rad
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
1000
1500
2000
2500
3000
3500
4000
4500


Gap vs Pole Number
Gap (mm)
Pole Number
10.2
10
9.8
9.6
9.4
9.2
9
8.8
8.6
8.4
0
20
40
60
80
100
120


Gap vs Z
10.2
10
9.8
9.6
9.4
9.2
9
8.8
8.6
8.4
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = -2.394469e-05 rad


Upper Jaw Pole Roll
×10^-3
1
0.5
0
-0.5
-1
Roll (rad)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Roll
0
-0.5
-1
Roll (rad)
0
20
40
60
80
100
120
Pole Number


Cant Angle Between Poles
Cant Angle (rad)
Pole Number
1
0.8
0.6
0.4
0.2
0
-0.2
0
20
40
60
80
100
120