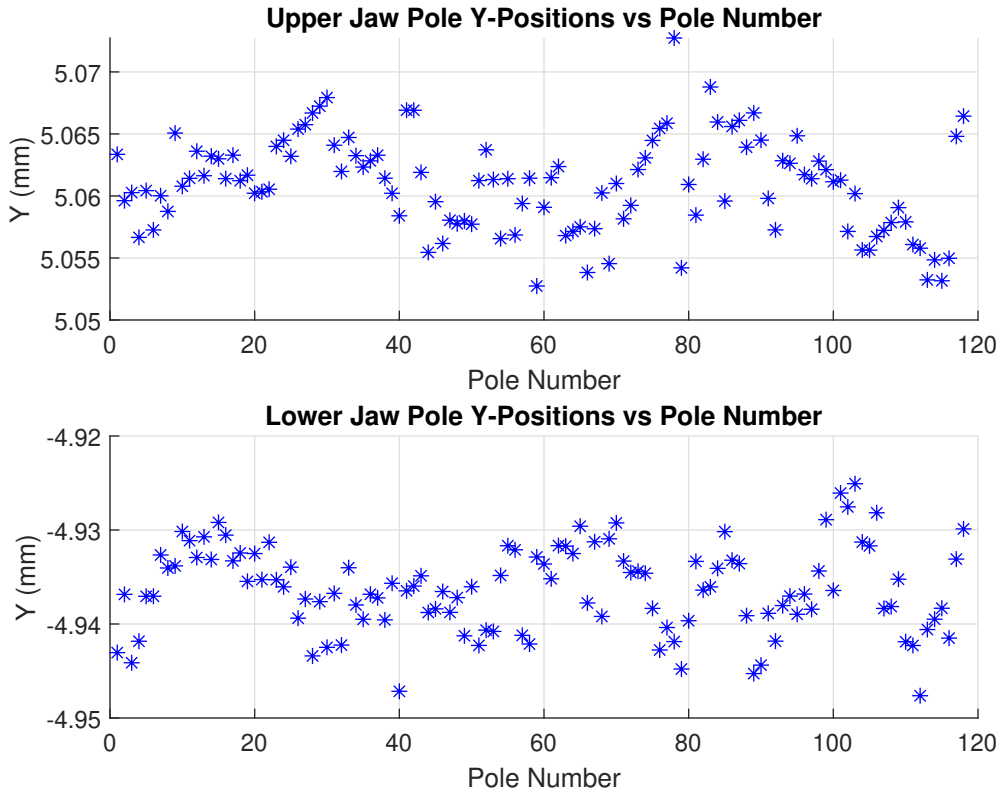
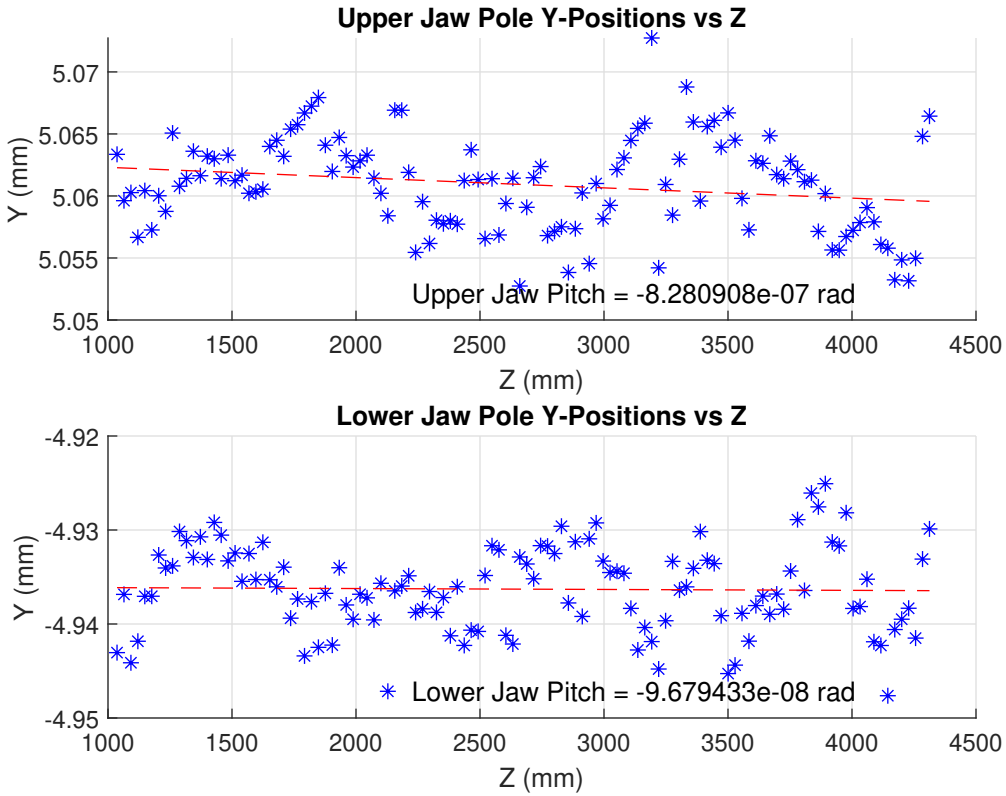
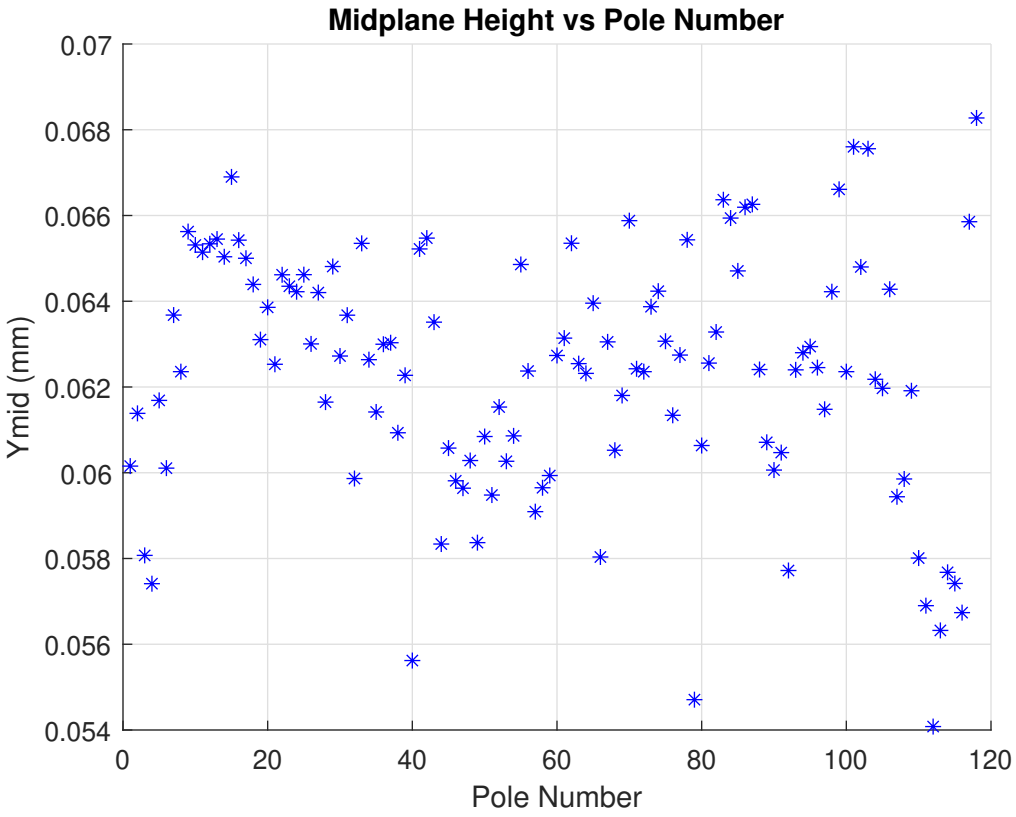
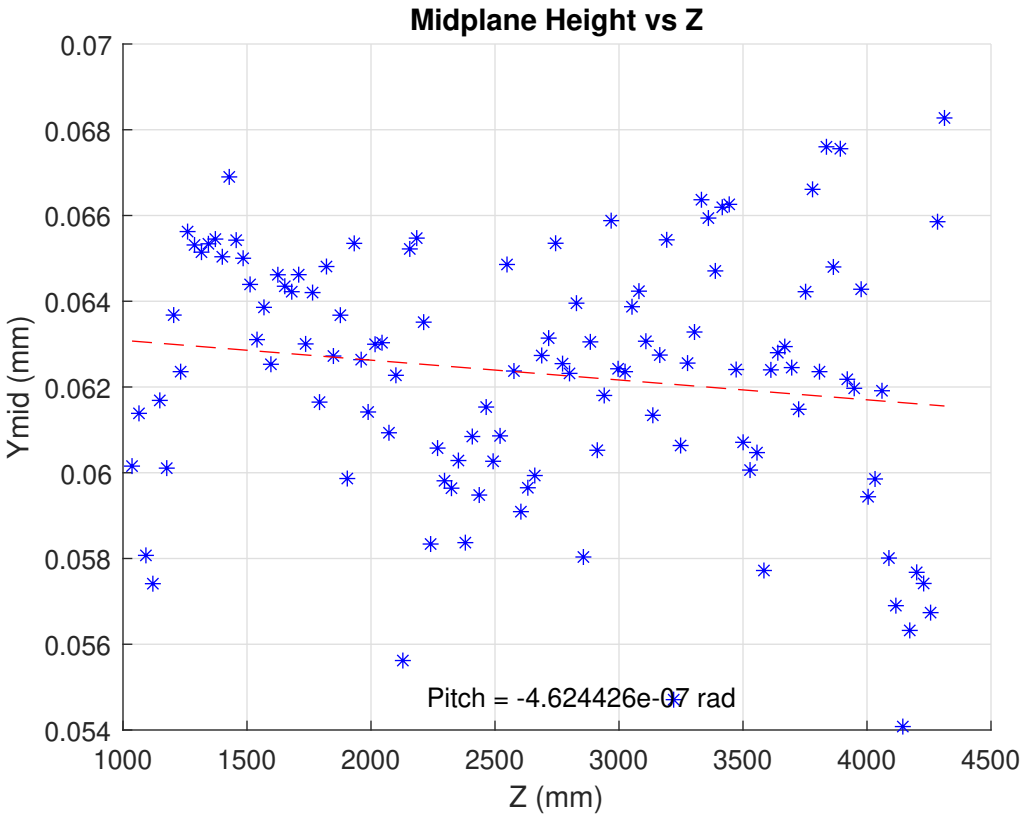
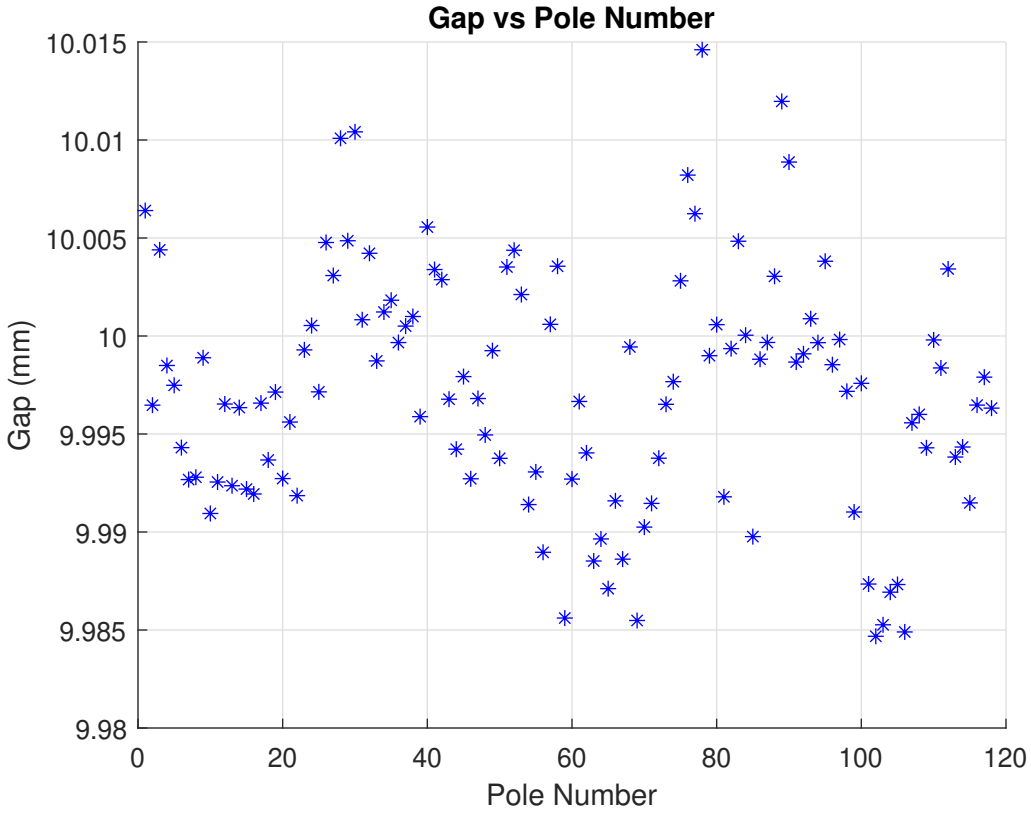
SLAC Magnetic Measurements#
Date: 08-19-2024#
Time: 20:53:11#

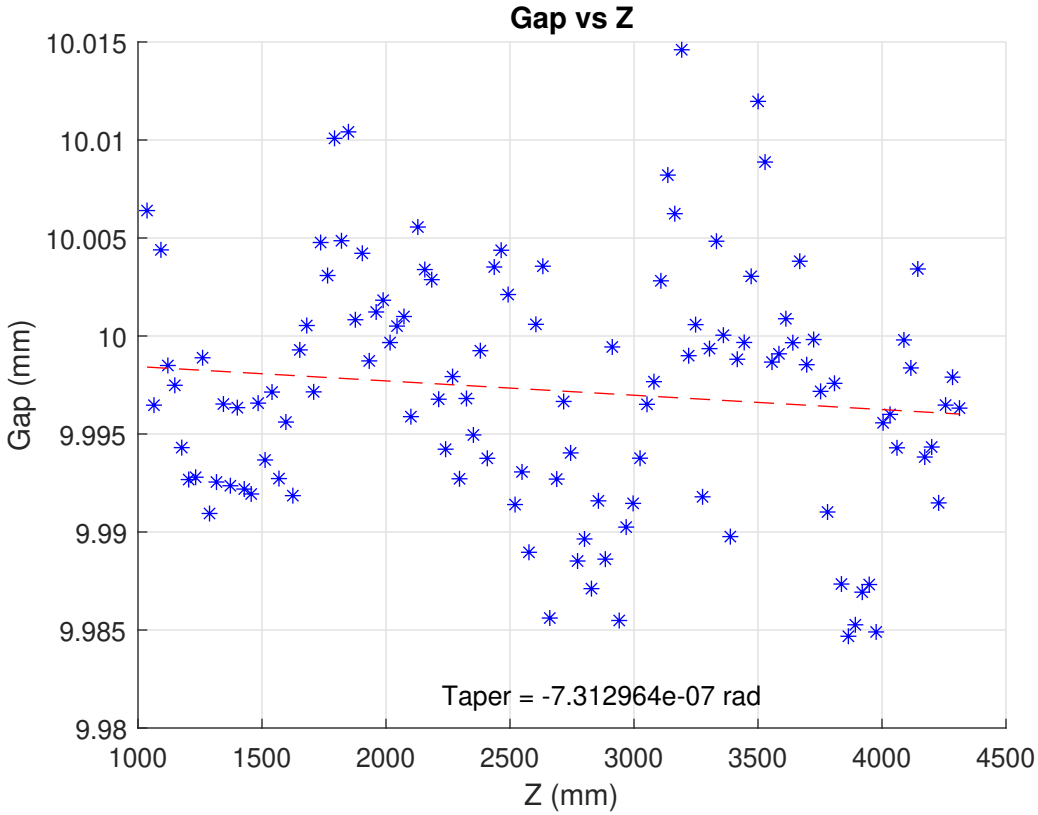

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
5.07
5.065
5.06
5.055
5.05
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-4.92
-4.93
-4.94
-4.95
0
20
40
60
80
100
120
Pole Number

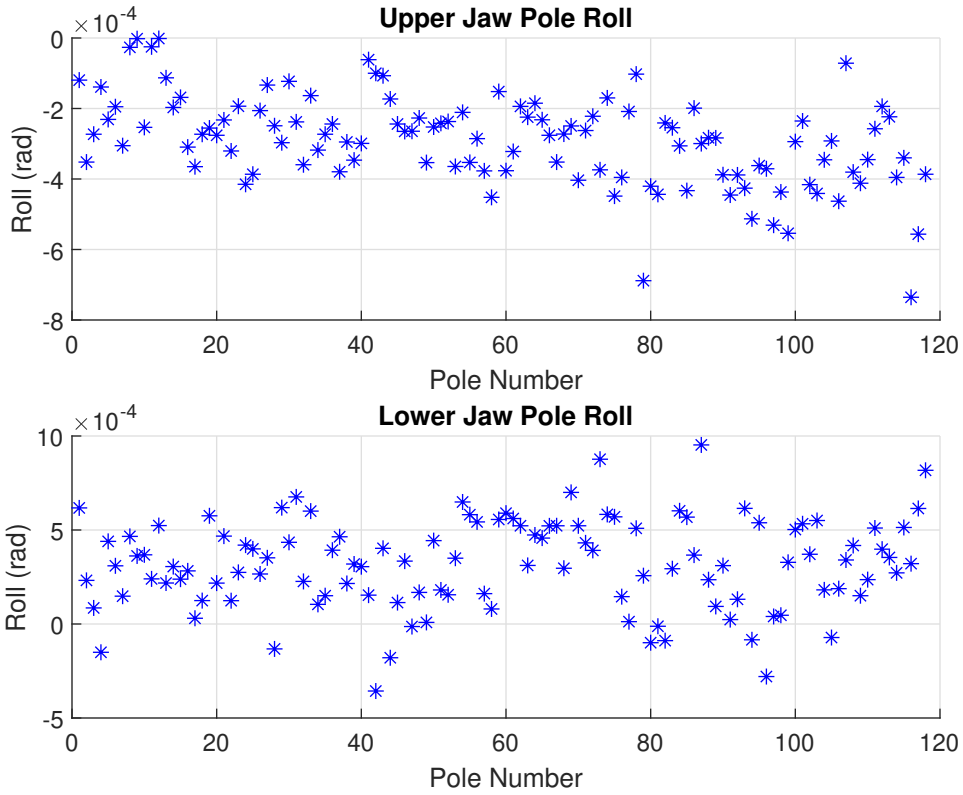

Upper Jaw Pole Y-Positions vs Z
Y (mm)
5.07
5.065
5.06
5.055
5.05
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Upper Jaw Pitch = -8.280908e-07 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-4.92
-4.93
-4.94
-4.95
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pitch = -9.679433e-08 rad

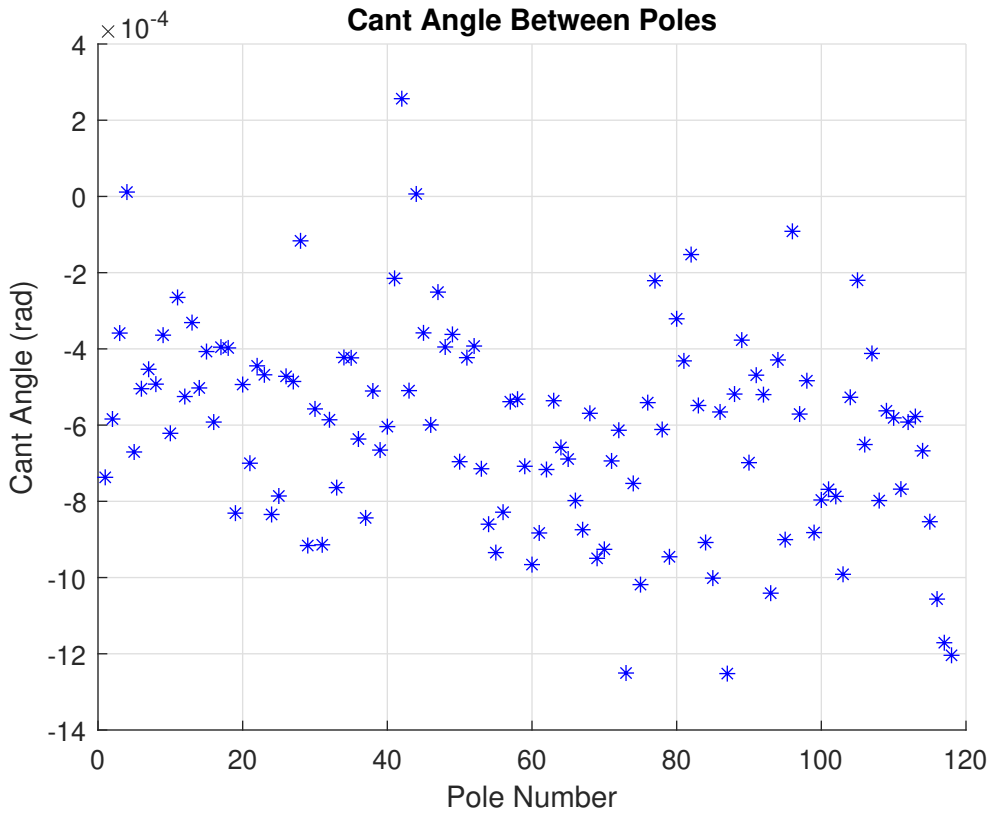

Midplane Height vs Pole Number
Ymid (mm)
0.07
0.068
0.066
0.064
0.062
0.06
0.058
0.056
0.054
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
Ymid (mm)
Z (mm)
0.07
0.068
0.066
0.064
0.062
0.06
0.058
0.056
0.054
1000
1500
2000
2500
3000
3500
4000
4500
Pitch = -4.624426e-07 rad


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


Gap vs Z
Gap (mm)
Z (mm)
Taper = -7.312964e-07 rad
10.015
10.01
10.005
10
9.995
9.99
9.985
9.98
1000
1500
2000
2500
3000
3500
4000
4500


Upper Jaw Pole Roll
×10^-4
0
-2
-4
-6
-8
Roll (rad)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Roll
×10^-4
10
5
0
-5
Roll (rad)
0
20
40
60
80
100
120
Pole Number


Cant Angle Between Poles
×10-4
4
2
0
-2
-4
-6
-8
-10
-12
-14
Cant Angle (rad)
0
20
40
60
80
100
120
Pole Number