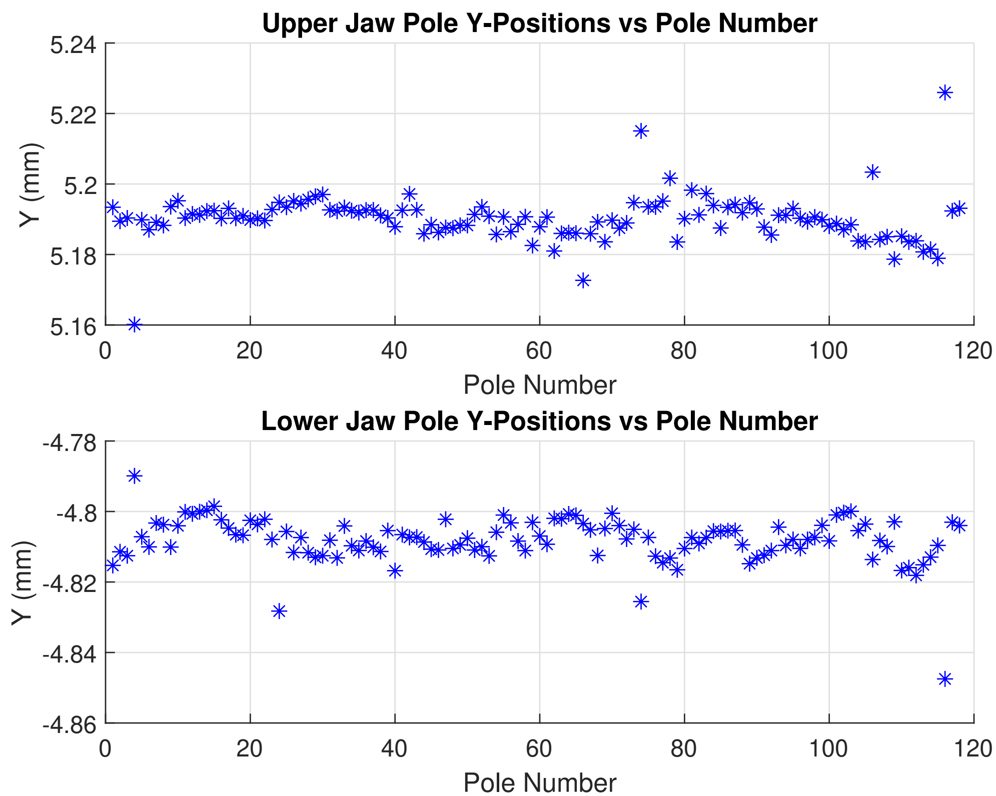
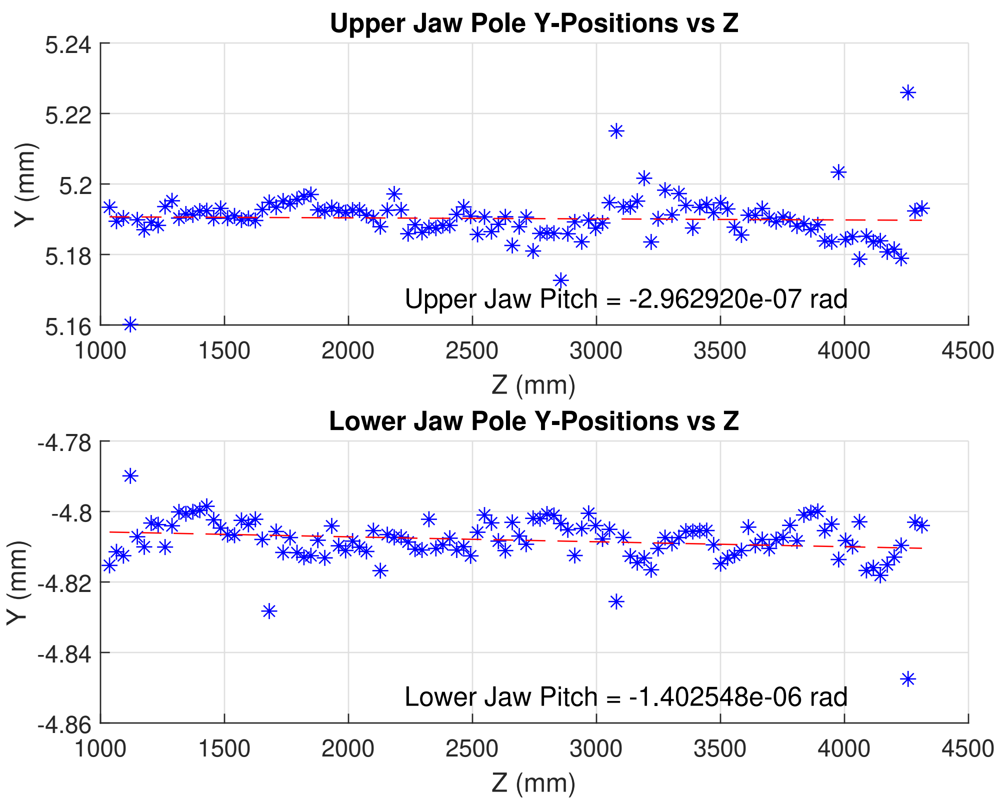
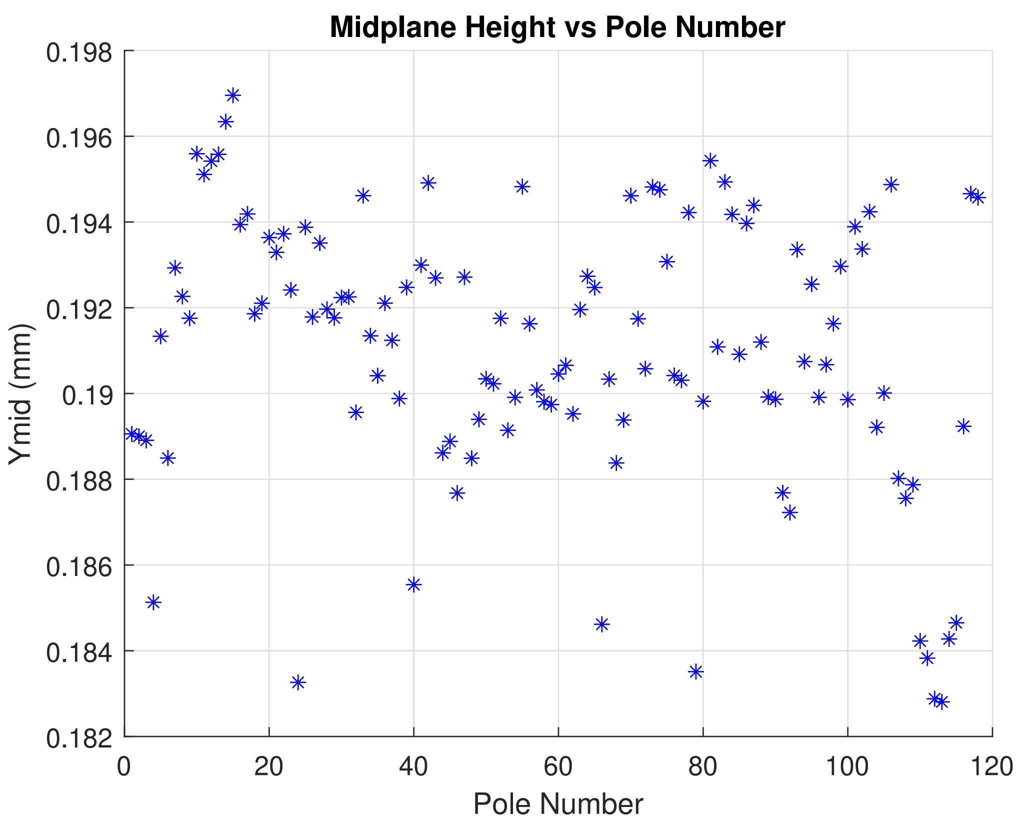
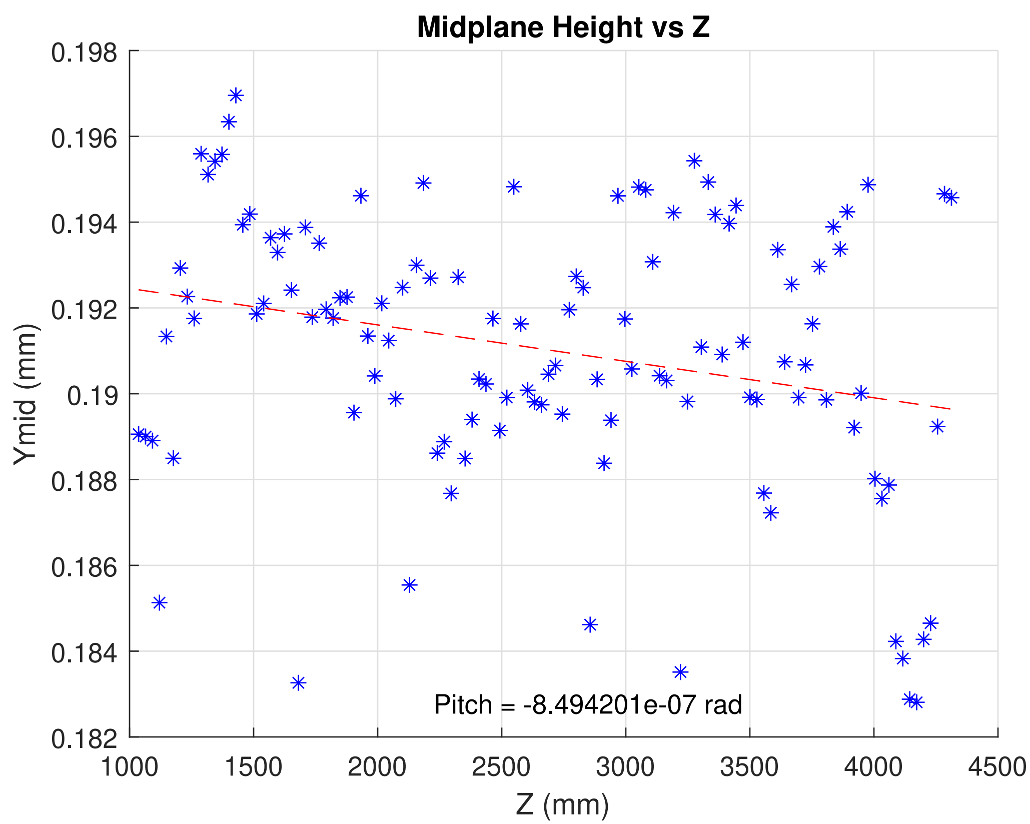
SLAC Magnetic Measurements#
Date: 08-21-2024#
Time: 11:49:21#

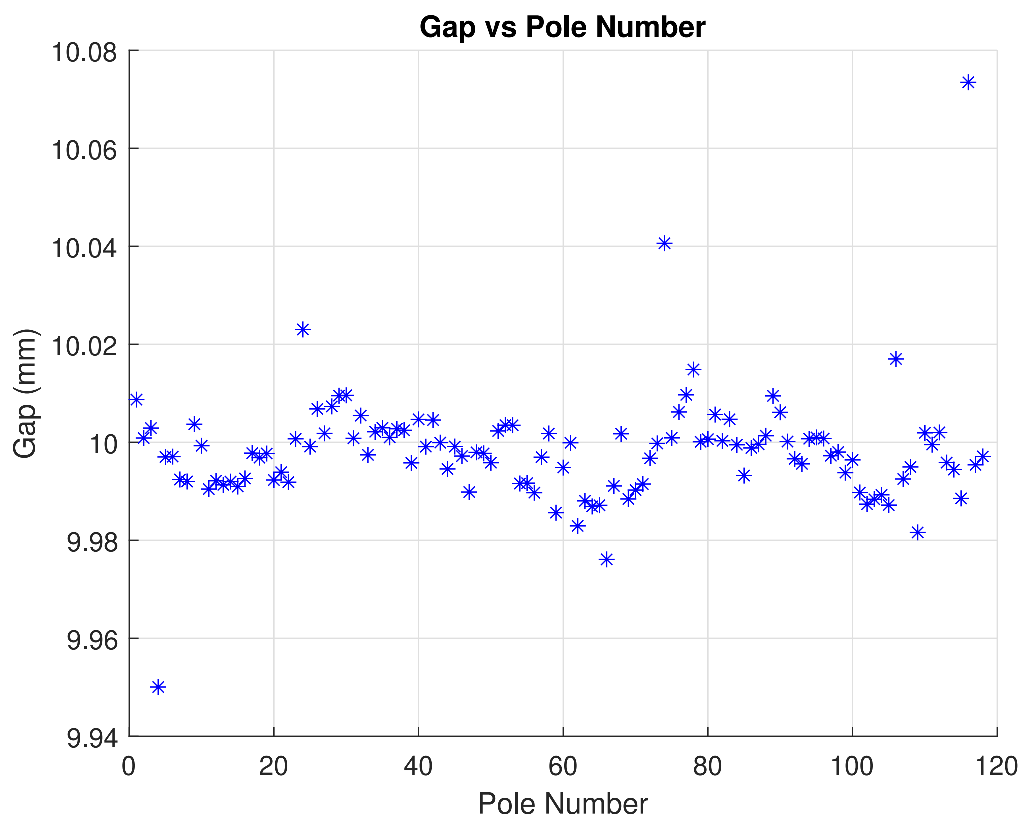

Upper Jaw Pole Y-Positions vs Pole Number
5.24
5.22
5.2
5.18
5.16
Y (mm)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
-4.78
-4.8
-4.82
-4.84
-4.86
Y (mm)
0
20
40
60
80
100
120
Pole Number


Upper Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Upper Jaw Pitch = -2.962920e-07 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Lower Jaw Pitch = -1.402548e-06 rad

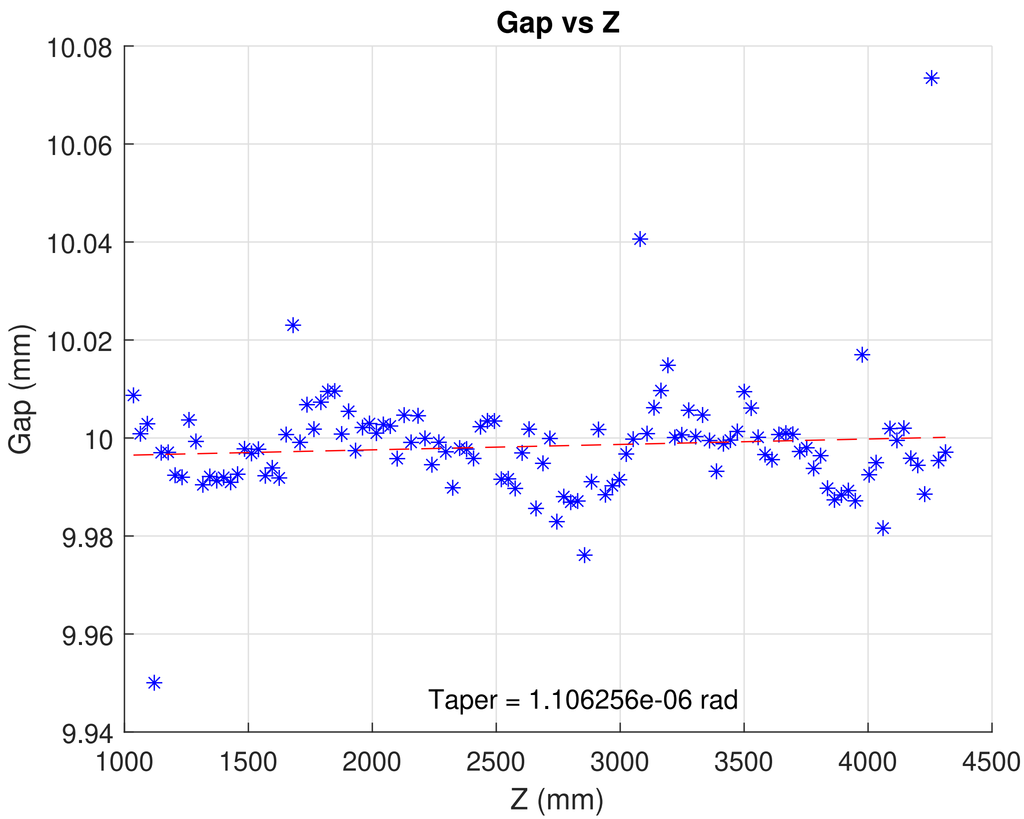


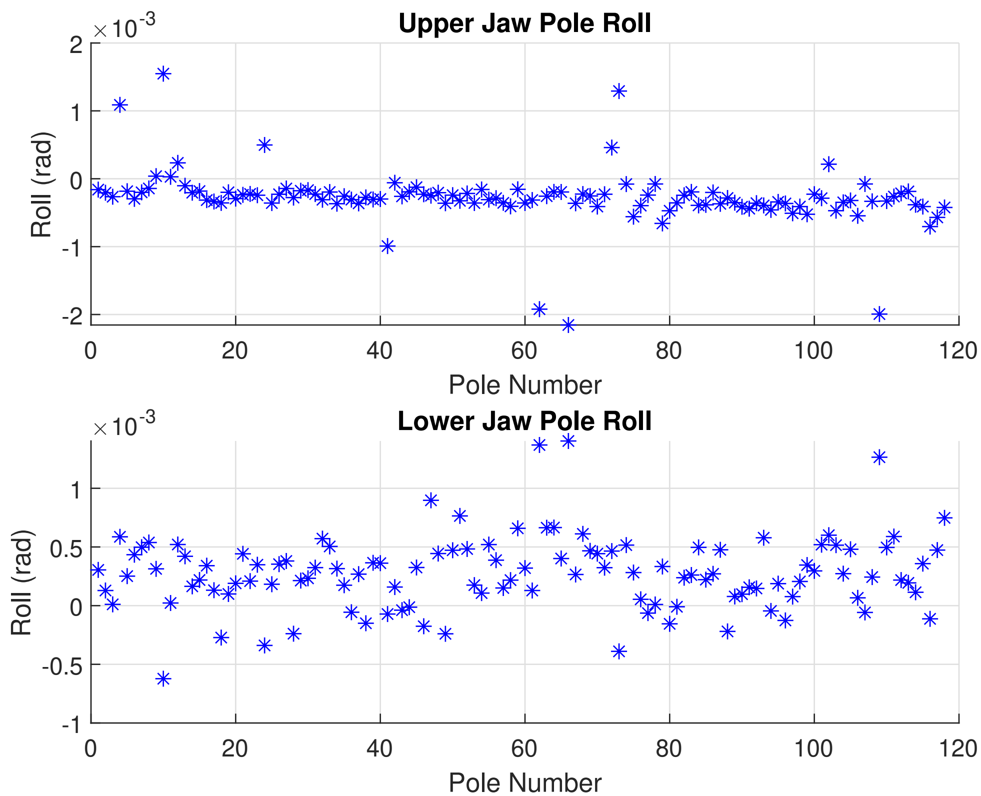
Midplane Height vs Pole Number
Ymid (mm)
0.198
0.196
0.194
0.192
0.19
0.188
0.186
0.184
0.182
0
20
40
60
80
100
120
Pole Number

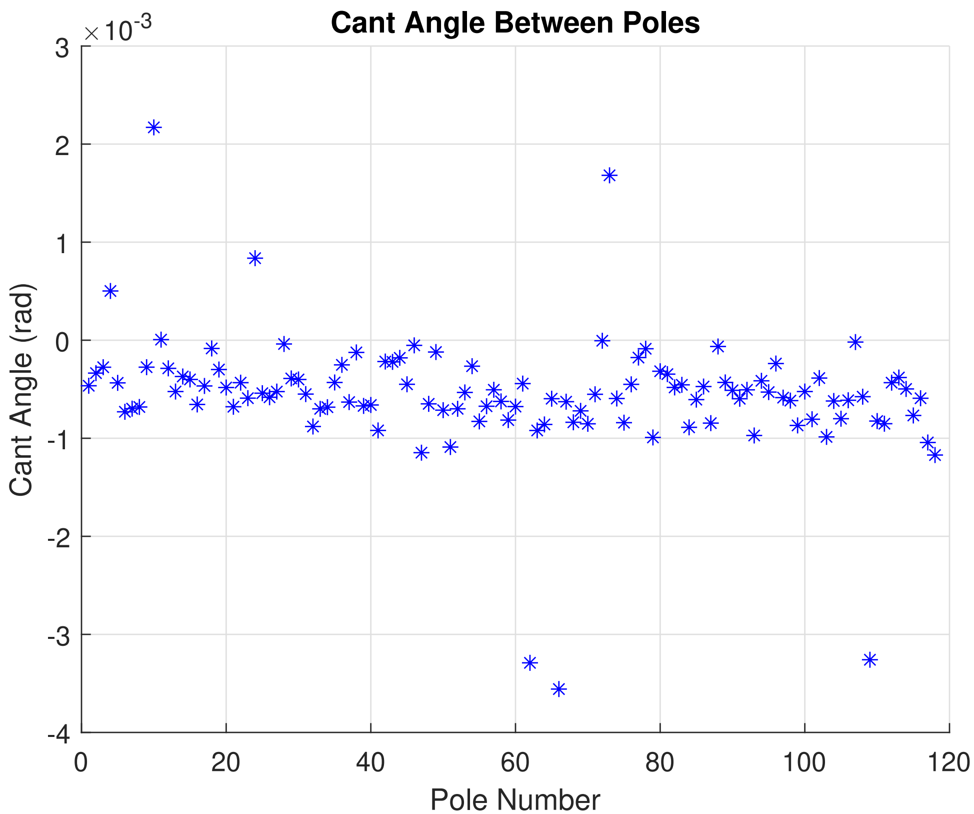

Midplane Height vs Z
0.198
0.196
0.194
0.192
0.19
0.188
0.186
0.184
0.182
Ymid (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -8.494201e-07 rad



Gap vs Pole Number
Gap (mm)
10.08
10.06
10.04
10.02
10
9.98
9.96
9.94
0
20
40
60
80
100
120
Pole Number


Gap vs Z
Gap (mm)
Z (mm)
Taper = 1.106256e-06 rad
10.08
10.06
10.04
10.02
10
9.98
9.96
9.94
1000
1500
2000
2500
3000
3500
4000
4500


Upper Jaw Pole Roll
×10^-3
2
1
0
-1
-2
Roll (rad)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Roll
×10^-3
1
0.5
0
-0.5
-1
Roll (rad)
0
20
40
60
80
100
120
Pole Number



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