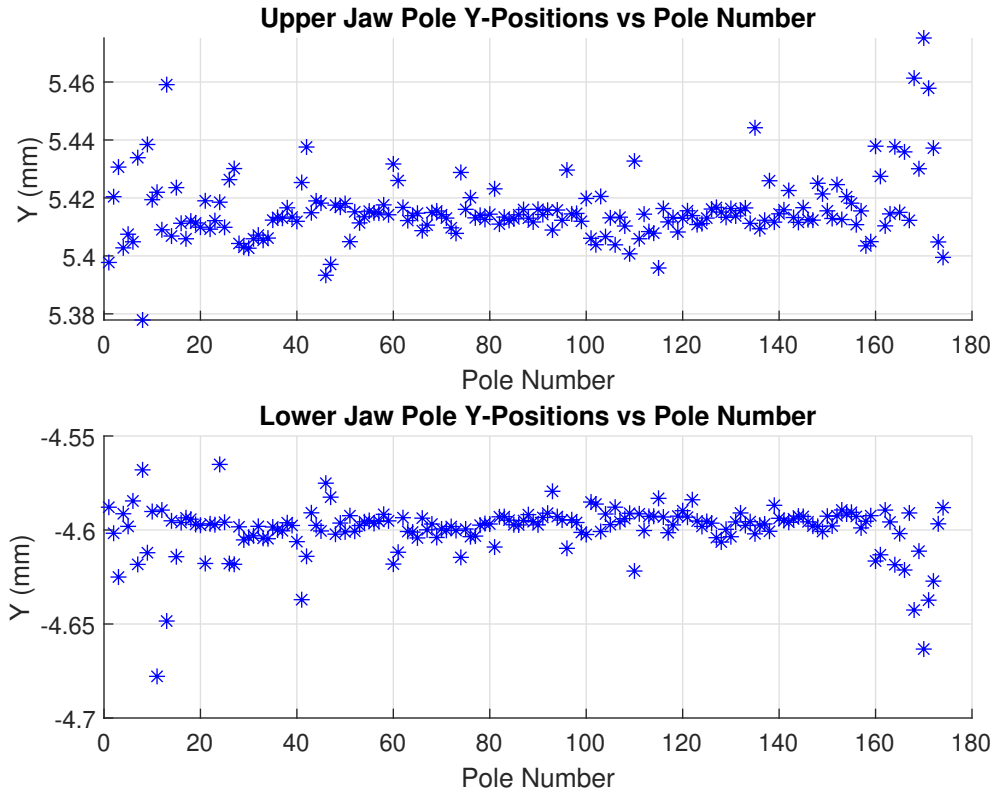
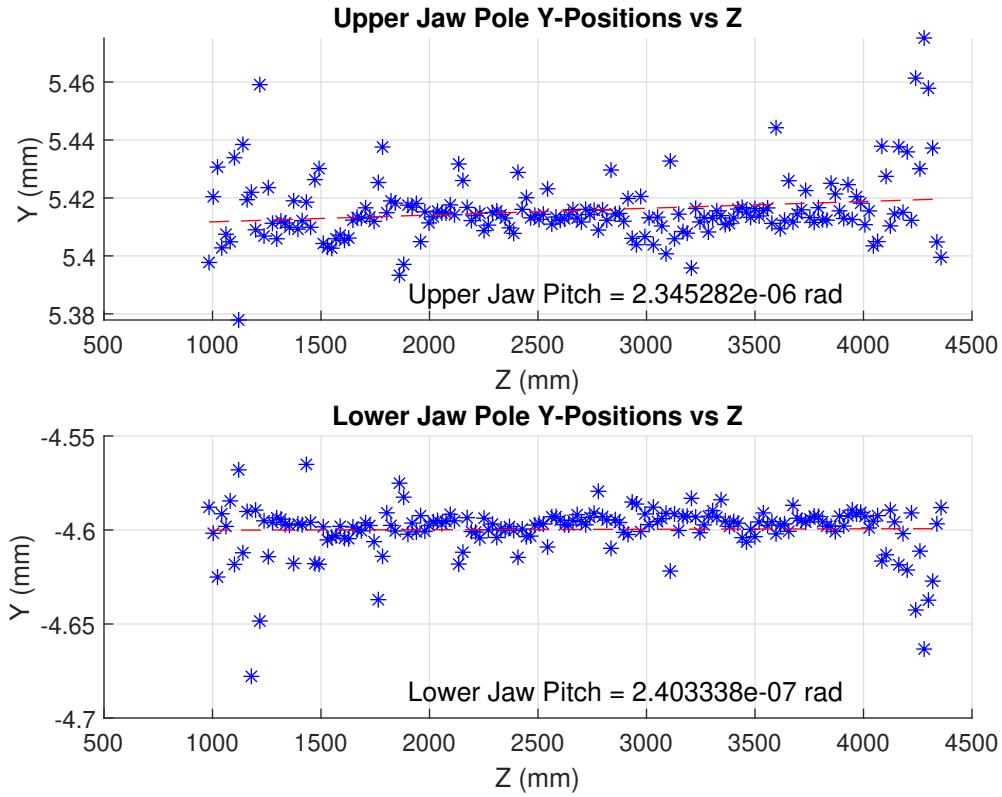
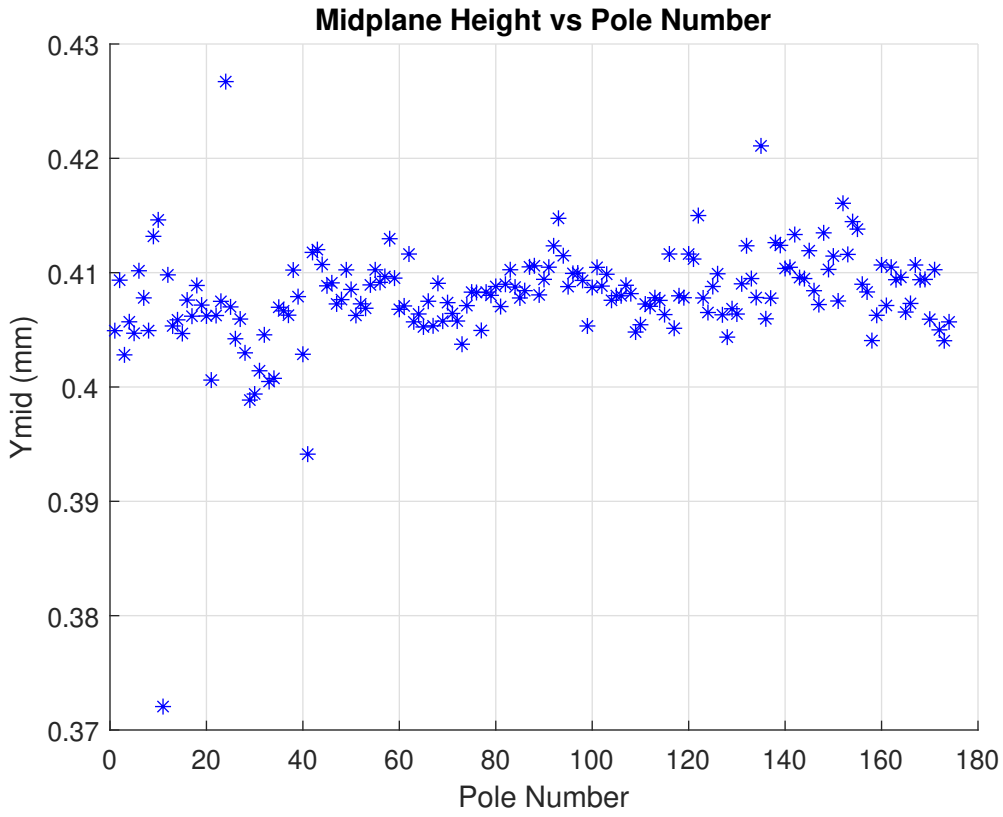
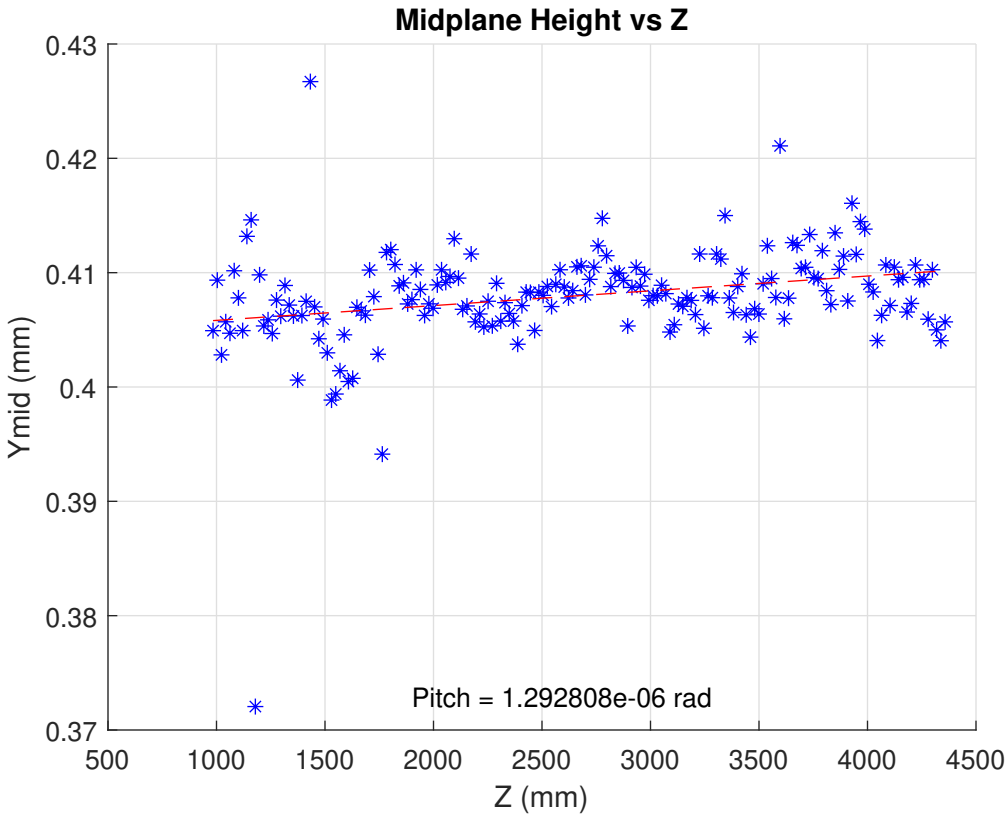
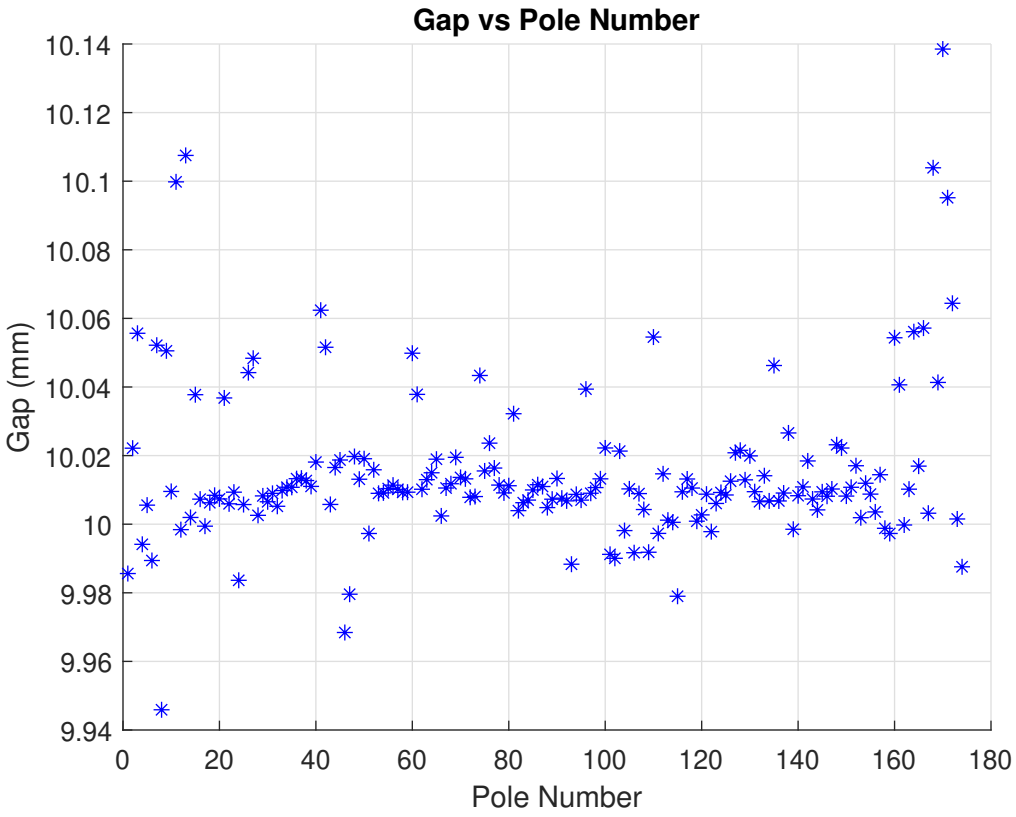
SLAC Magnetic Measurements#
Date: 03-08-2021#
Time: 16:51:48#

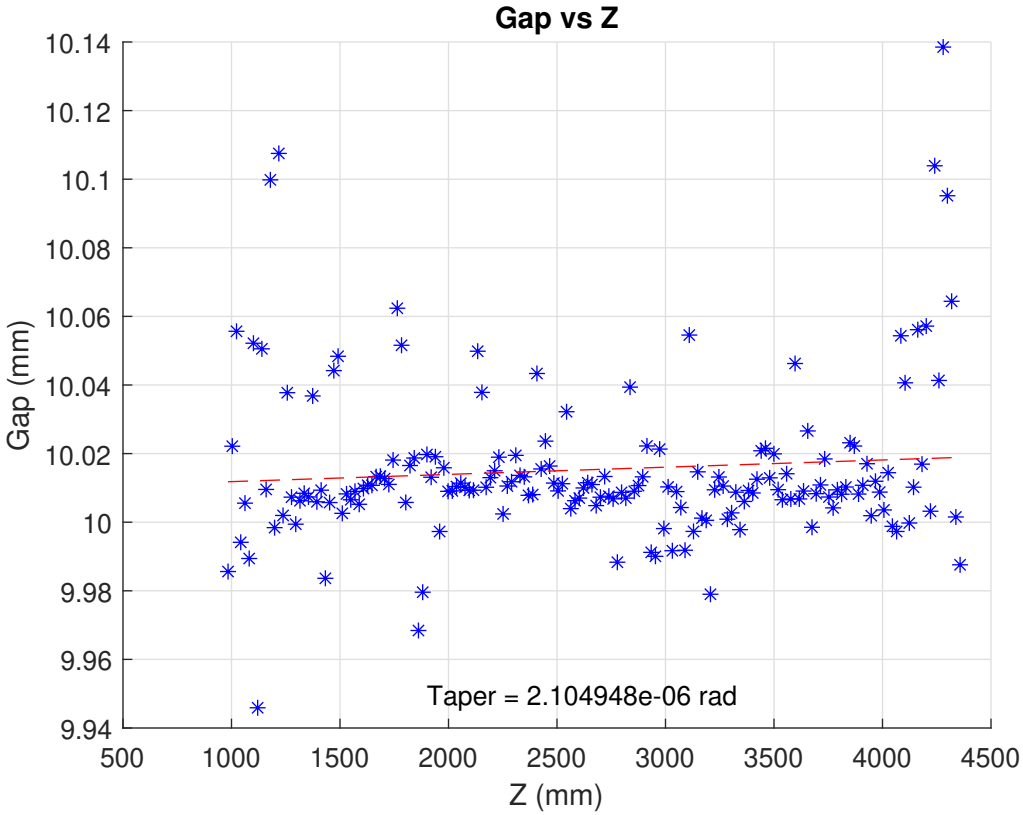

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
5.46
5.44
5.42
5.4
5.38
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-4.55
-4.6
-4.65
-4.7
0
20
40
60
80
100
120
140
160
180
Pole Number

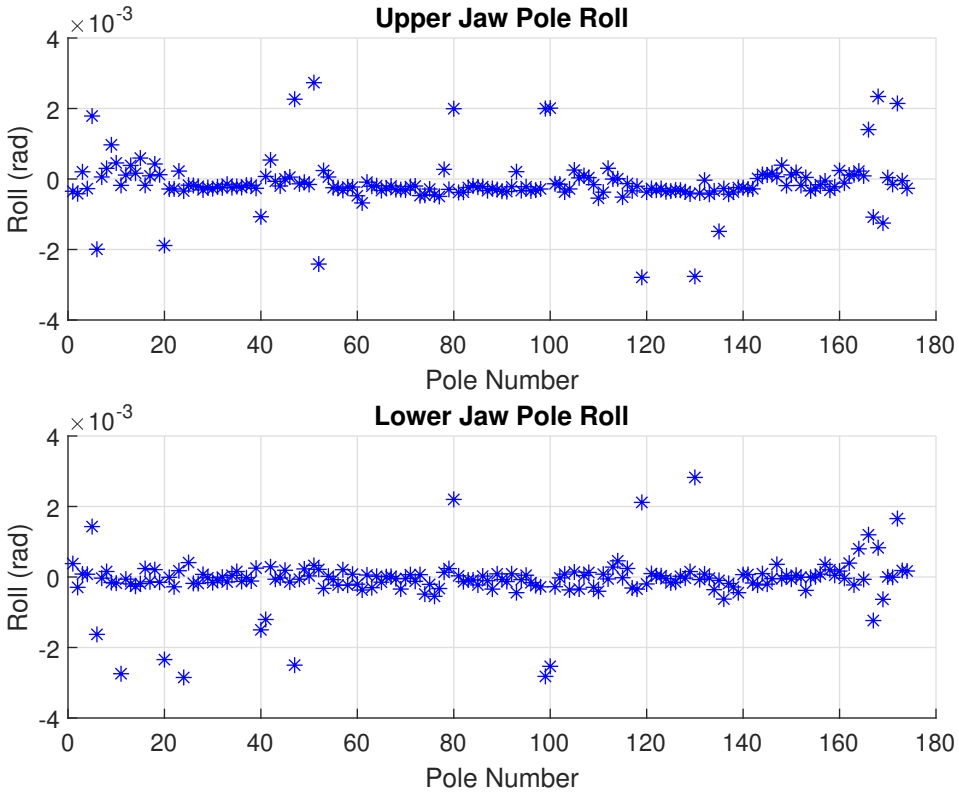

Upper Jaw Pole Y-Positions vs Z
Y (mm)
5.46
5.44
5.42
5.4
5.38
Upper Jaw Pitch = 2.345282e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-4.55
-4.6
-4.65
-4.7
Lower Jaw Pitch = 2.403338e-07 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

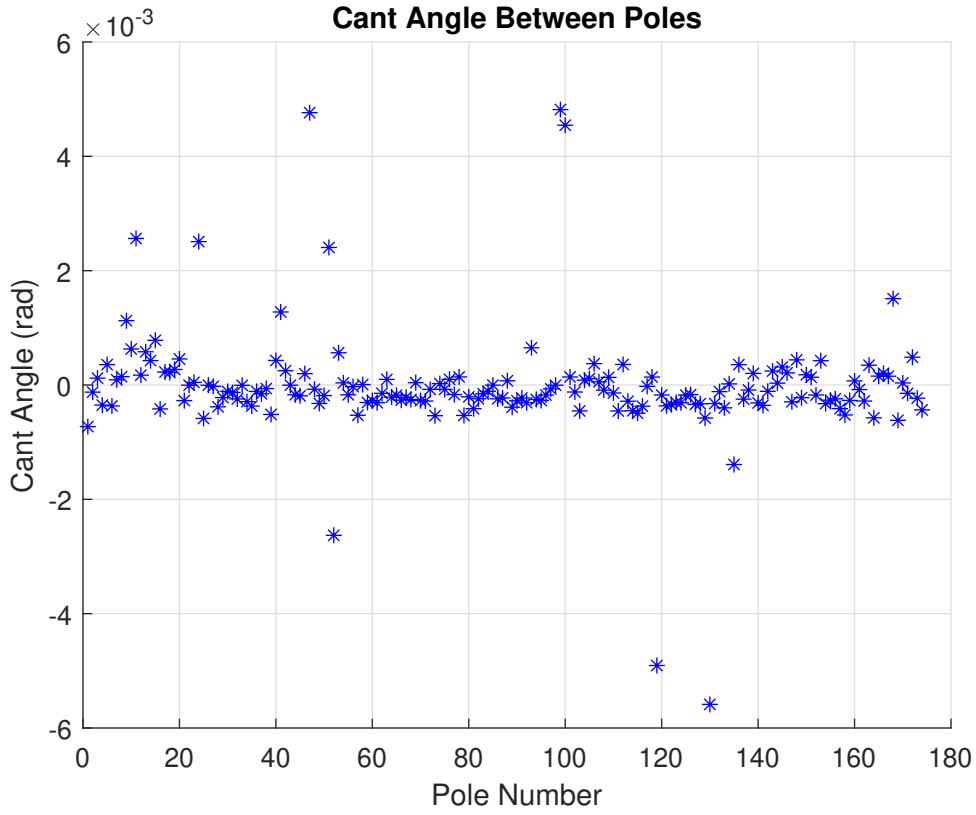

Midplane Height vs Pole Number
Ymid (mm)
Pole Number
0.43
0.42
0.41
0.4
0.39
0.38
0.37
0
20
40
60
80
100
120
140
160
180


Midplane Height vs Z
0.43
0.42
0.41
0.4
0.39
0.38
0.37
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 1.292808e-06 rad


Gap vs Pole Number
Gap (mm)
Pole Number
10.14
10.12
10.1
10.08
10.06
10.04
10.02
10
9.98
9.96
9.94
0
20
40
60
80
100
120
140
160
180


Gap vs Z
Gap (mm)
Z (mm)
Taper = 2.104948e-06 rad
10.14
10.12
10.1
10.08
10.06
10.04
10.02
10
9.98
9.96
9.94
500
1000
1500
2000
2500
3000
3500
4000
4500


Upper Jaw Pole Roll
×10^-3
Roll (rad)
Pole Number
Lower Jaw Pole Roll
×10^-3
Roll (rad)
Pole Number


Cant Angle Between Poles
×10-3
6
4
2
0
-2
-4
-6
Cant Angle (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number