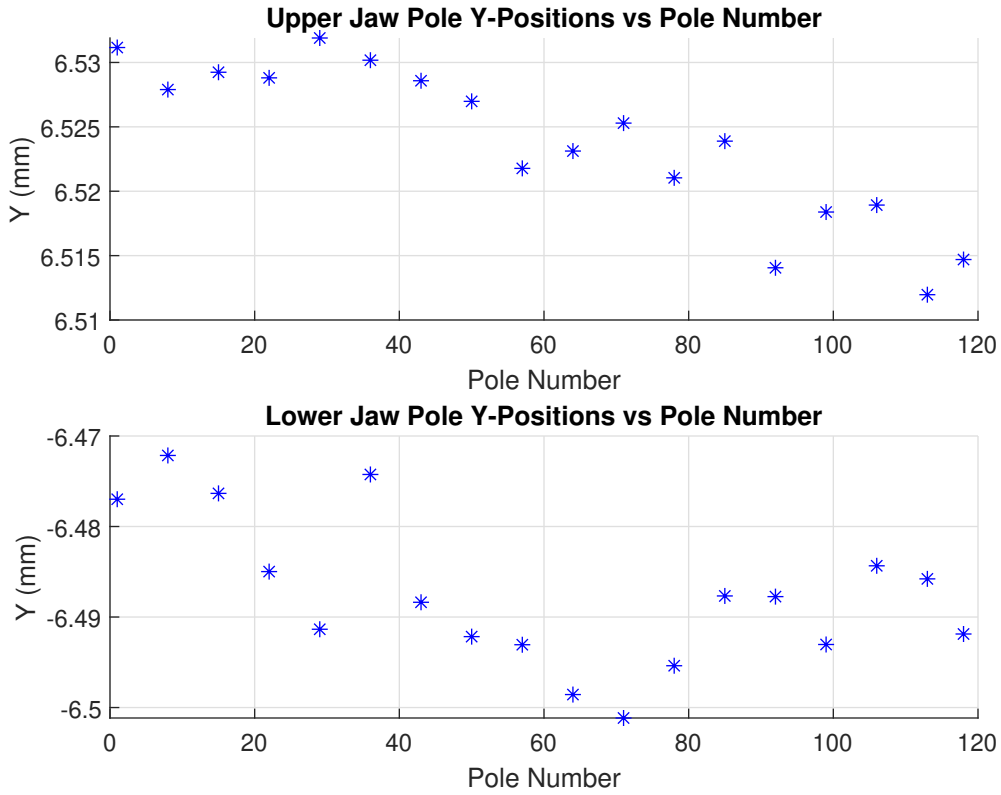
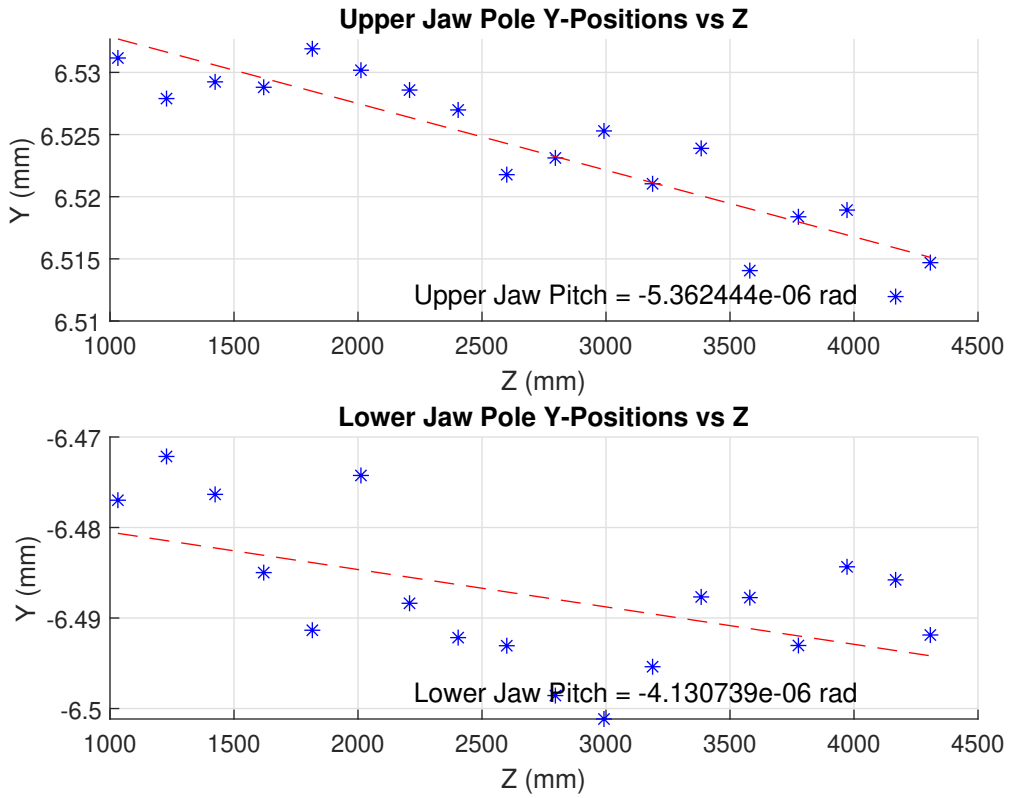
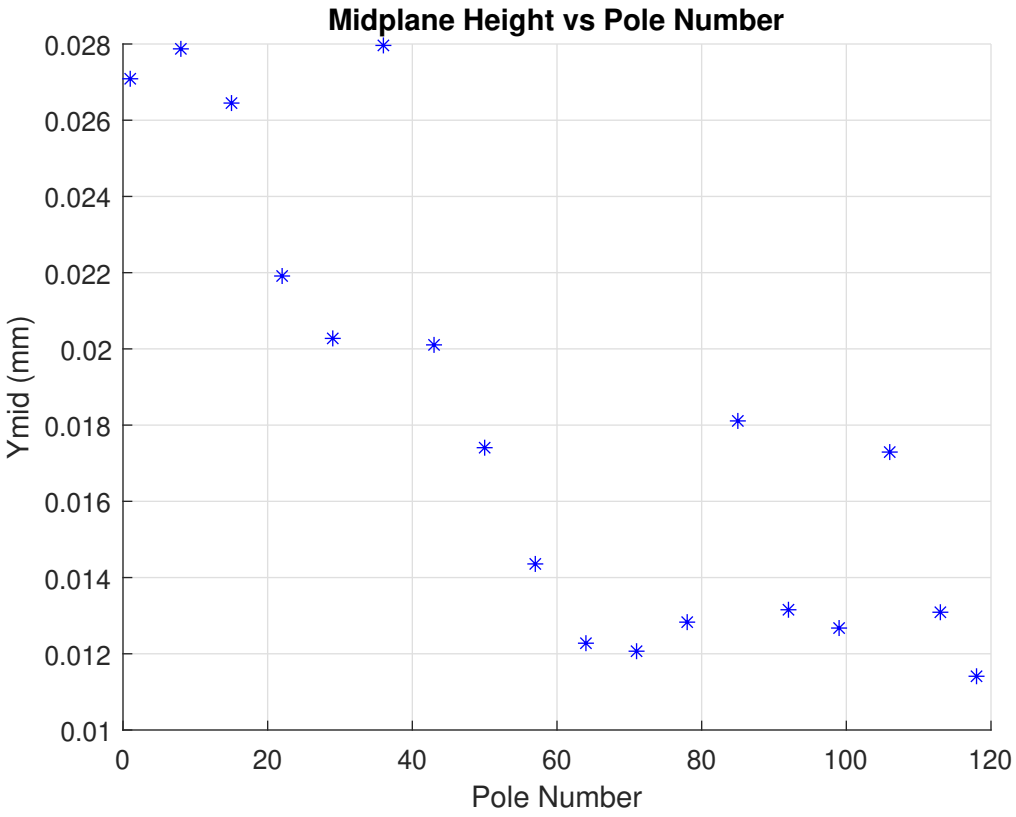
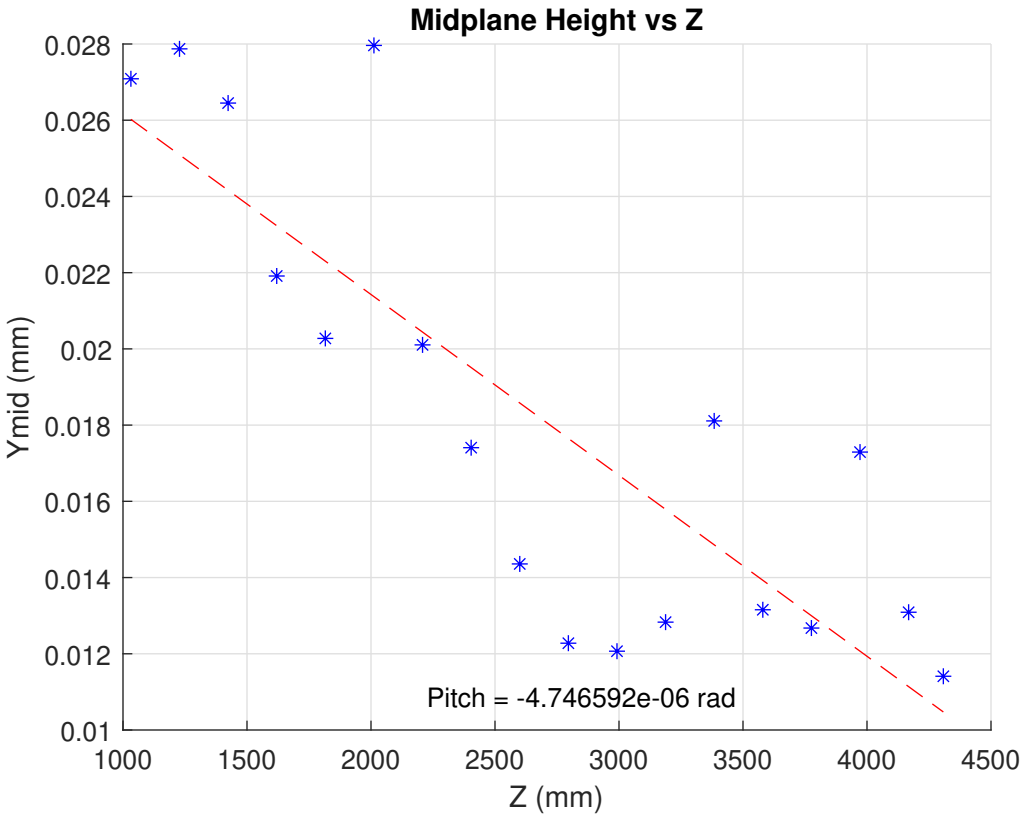
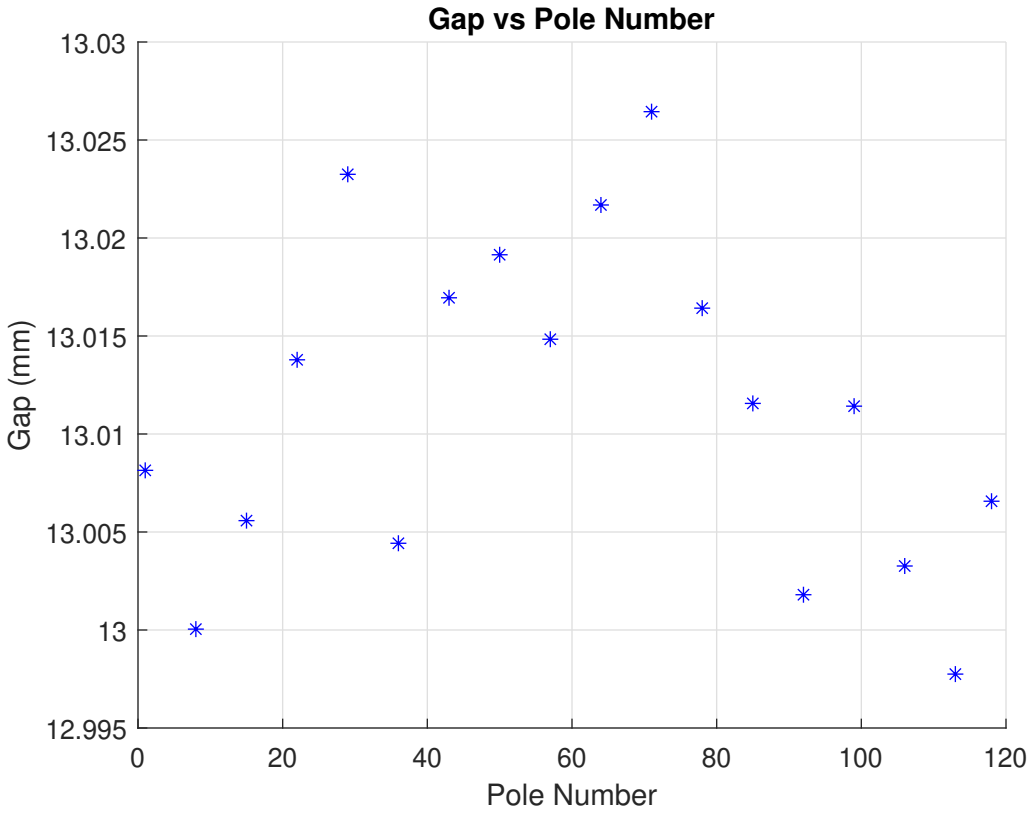
SLAC Magnetic Measurements#
Date: 09-01-2022#
Time: 14:23:40#

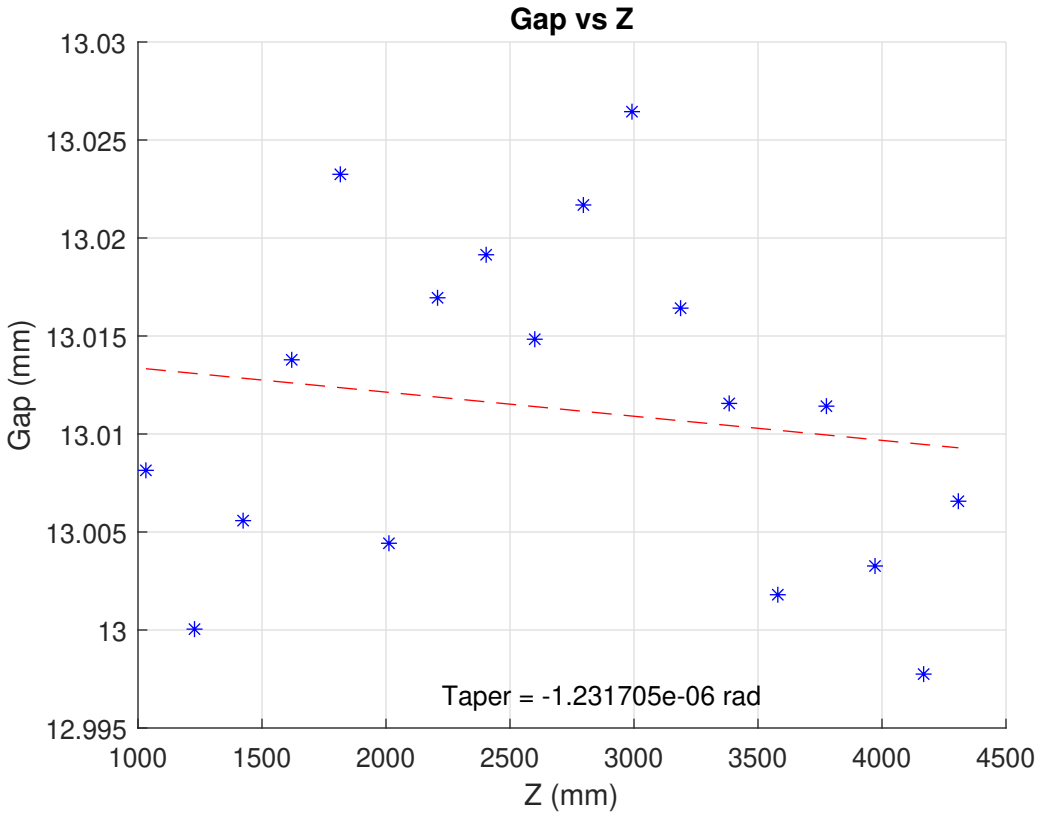

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
6.53
6.525
6.52
6.515
6.51
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-6.47
-6.48
-6.49
-6.5
0
20
40
60
80
100
120
Pole Number

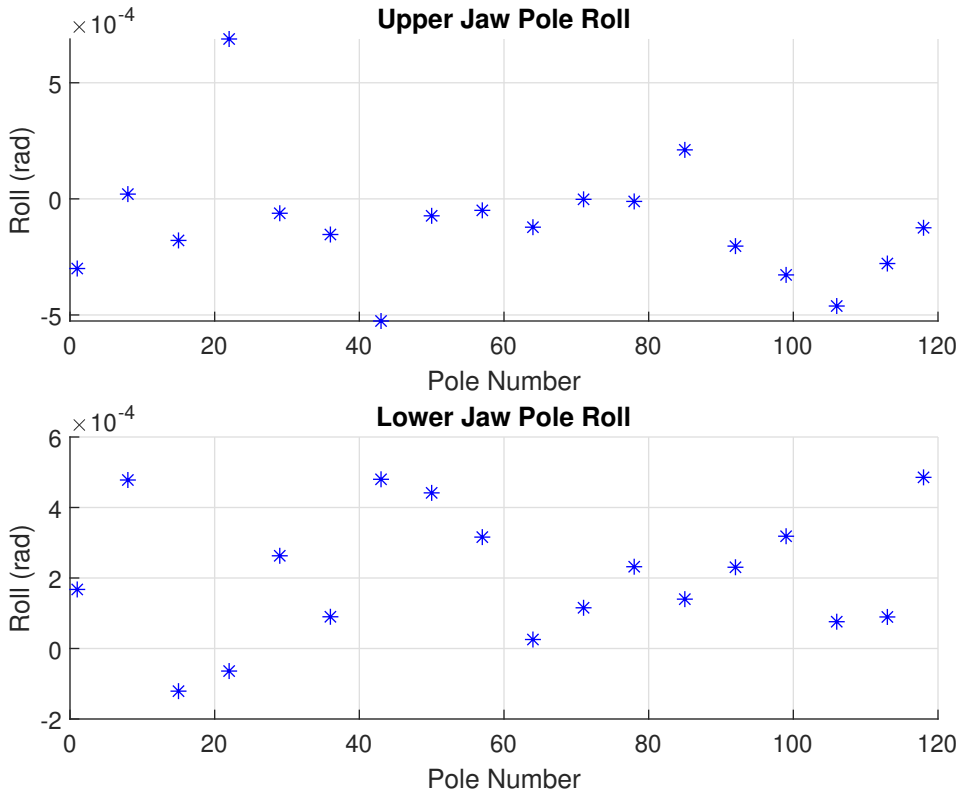

Upper Jaw Pole Y-Positions vs Z
Y (mm)
6.53
6.525
6.52
6.515
6.51
Upper Jaw Pitch = -5.362444e-06 rad
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-6.47
-6.48
-6.49
-6.5
Lower Jaw Pitch = -4.130739e-06 rad
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

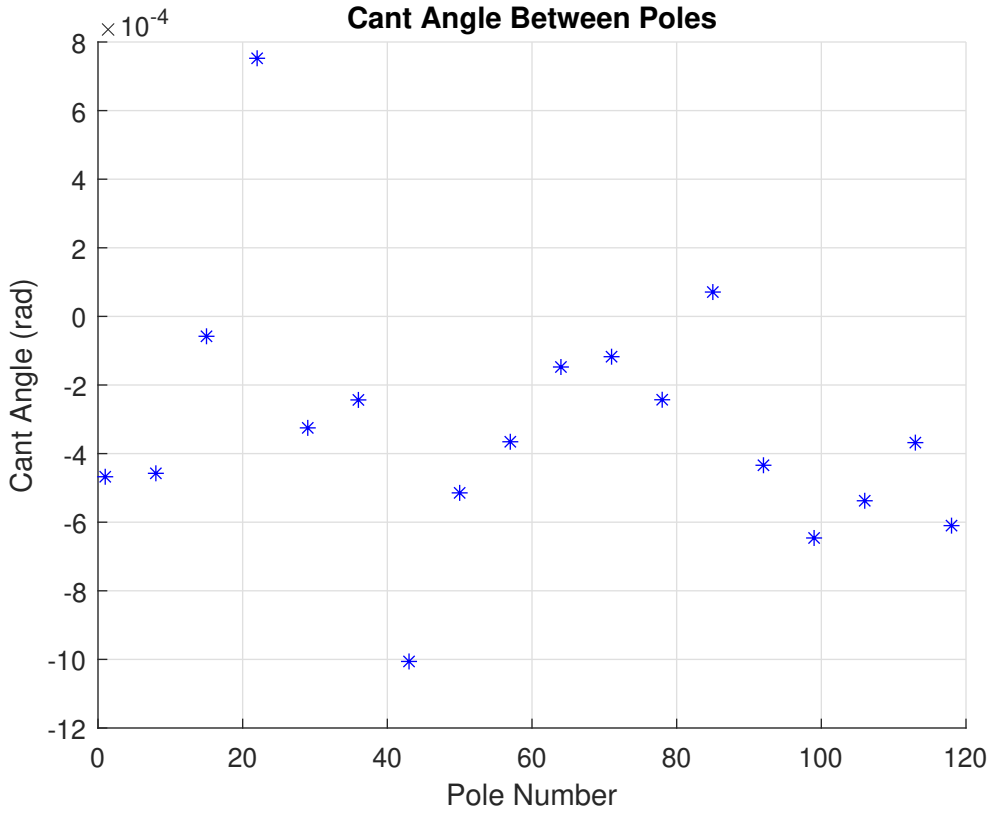

Midplane Height vs Pole Number
Ymid (mm)
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
Ymid (mm)
Z (mm)
Pitch = -4.746592e-06 rad
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
1000
1500
2000
2500
3000
3500
4000
4500


Gap vs Pole Number
13.03
13.025
13.02
13.015
13.01
13.005
13
12.995
Gap (mm)
0
20
40
60
80
100
120
Pole Number


Gap vs Z
13.03
13.025
13.02
13.015
13.01
13.005
13
12.995
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = -1.231705e-06 rad


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


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