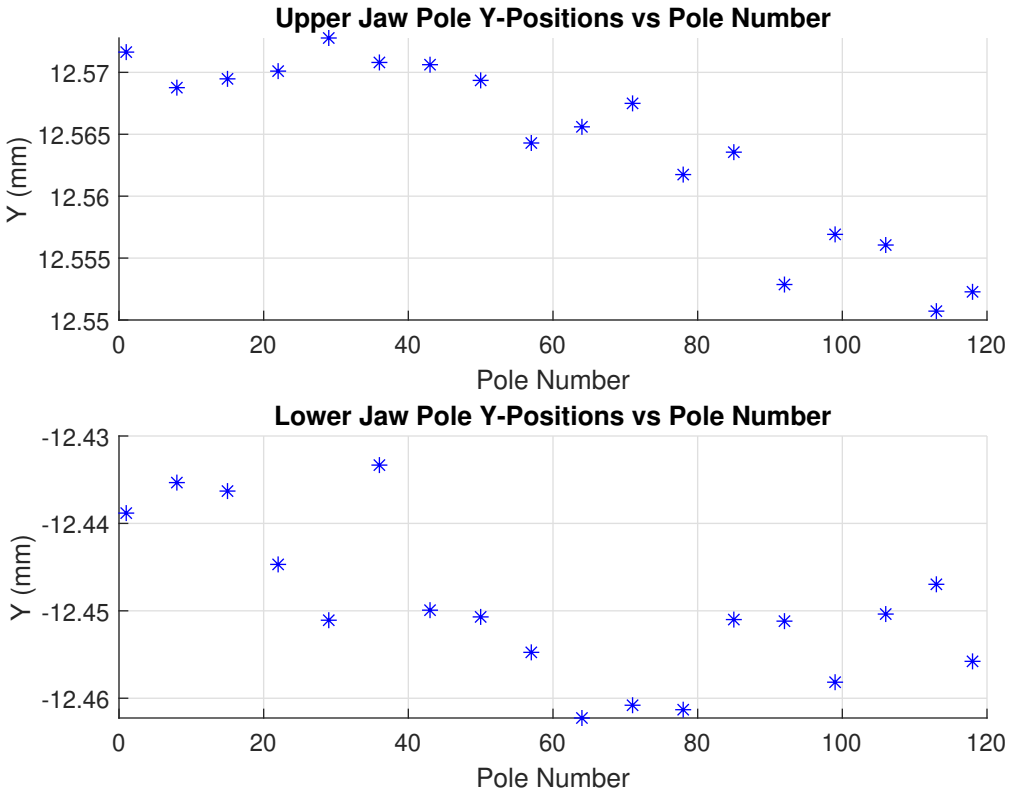
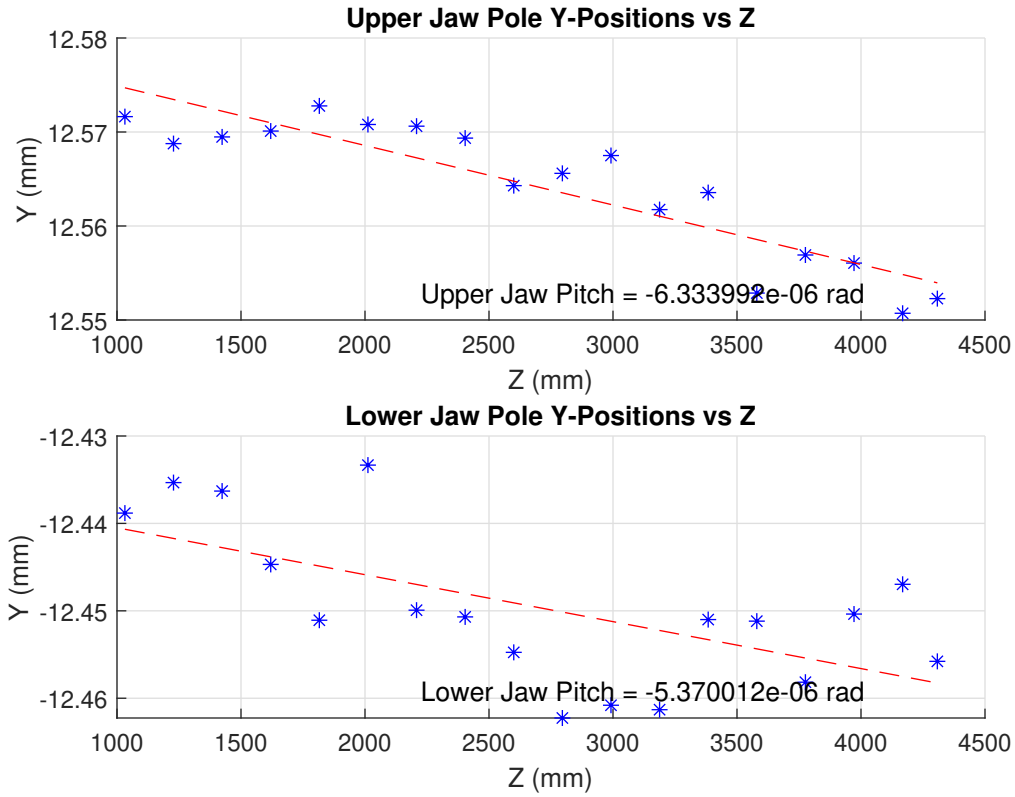
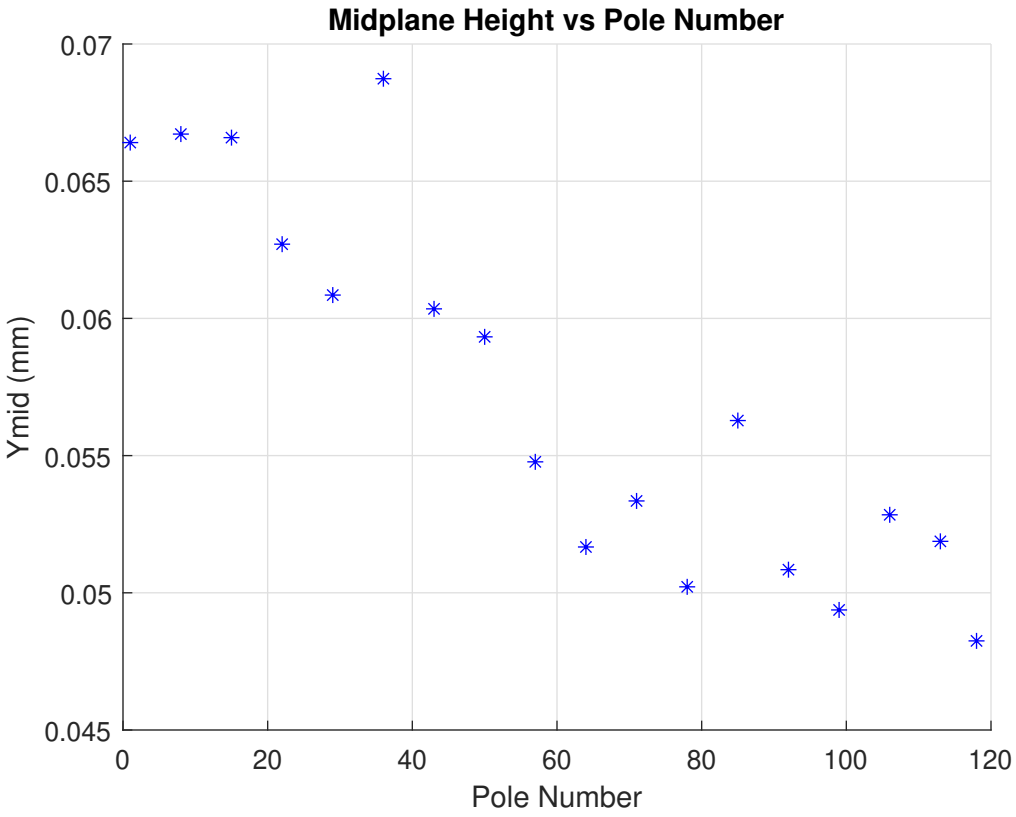
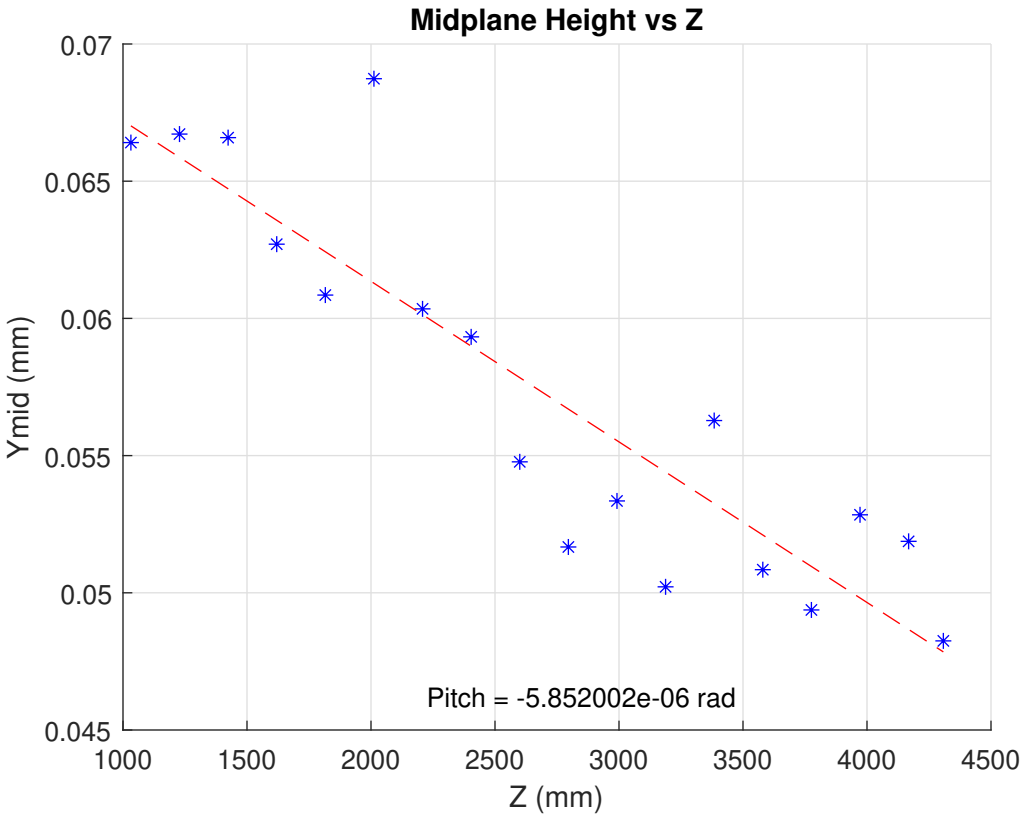
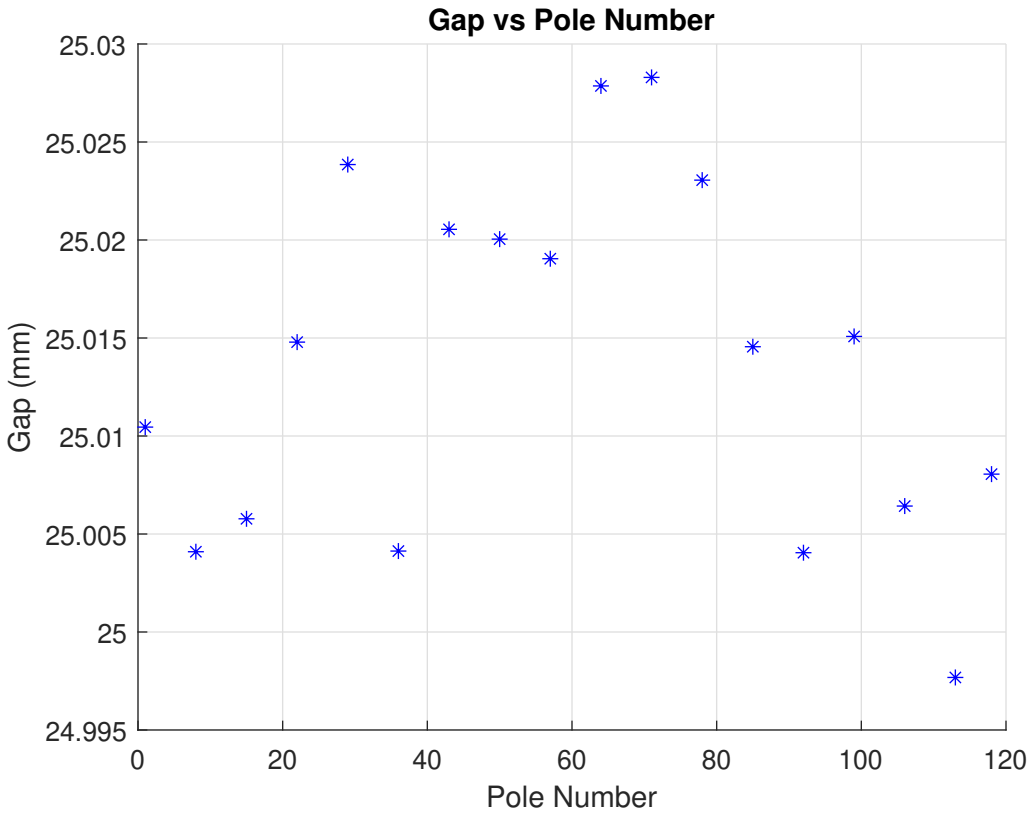
SLAC Magnetic Measurements#
Date: 09-01-2022#
Time: 14:23:51#

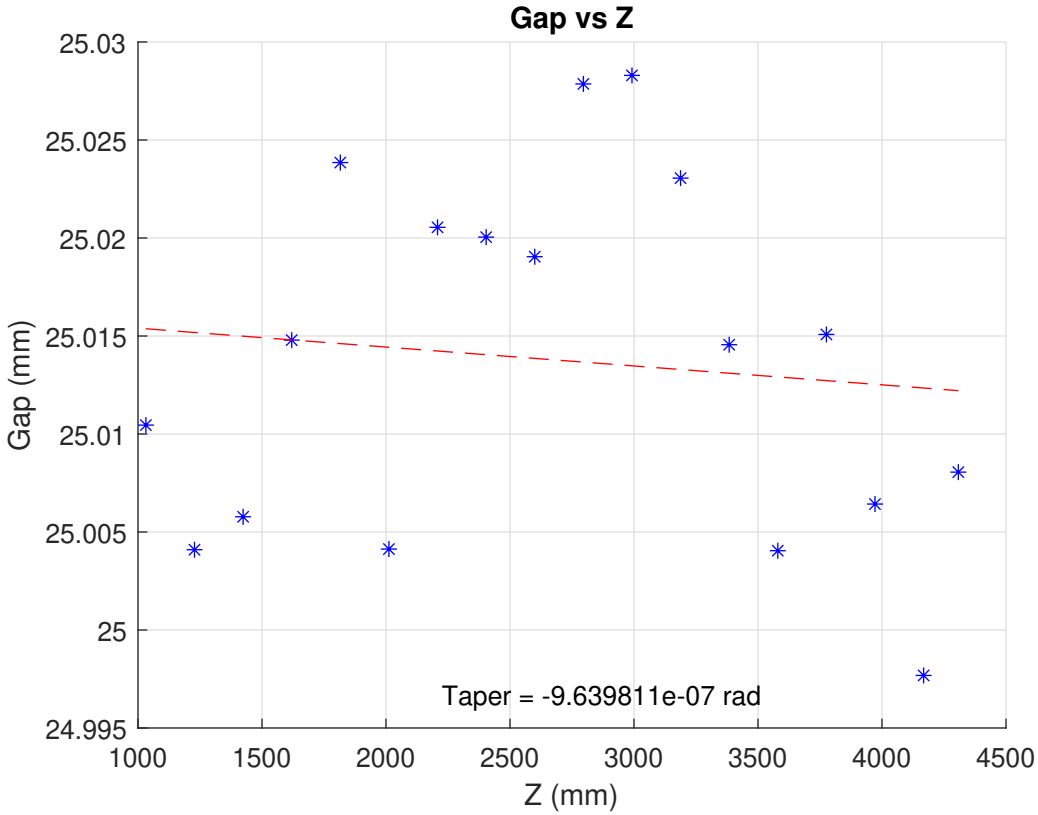

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
12.57
12.565
12.56
12.555
12.55
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-12.43
-12.44
-12.45
-12.46
0
20
40
60
80
100
120
Pole Number

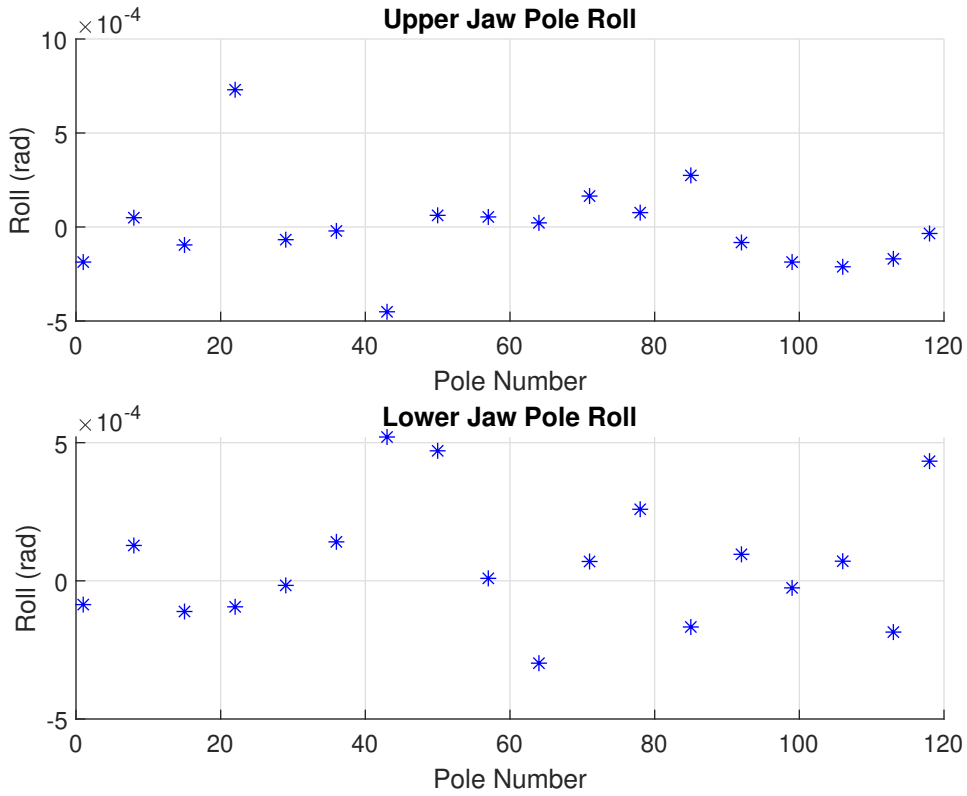

Upper Jaw Pole Y-Positions vs Z
12.58
12.57
12.56
12.55
Y (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Upper Jaw Pitch = -6.333992e-06 rad
Lower Jaw Pole Y-Positions vs Z
-12.43
-12.44
-12.45
-12.46
Y (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pitch = -5.370012e-06 rad

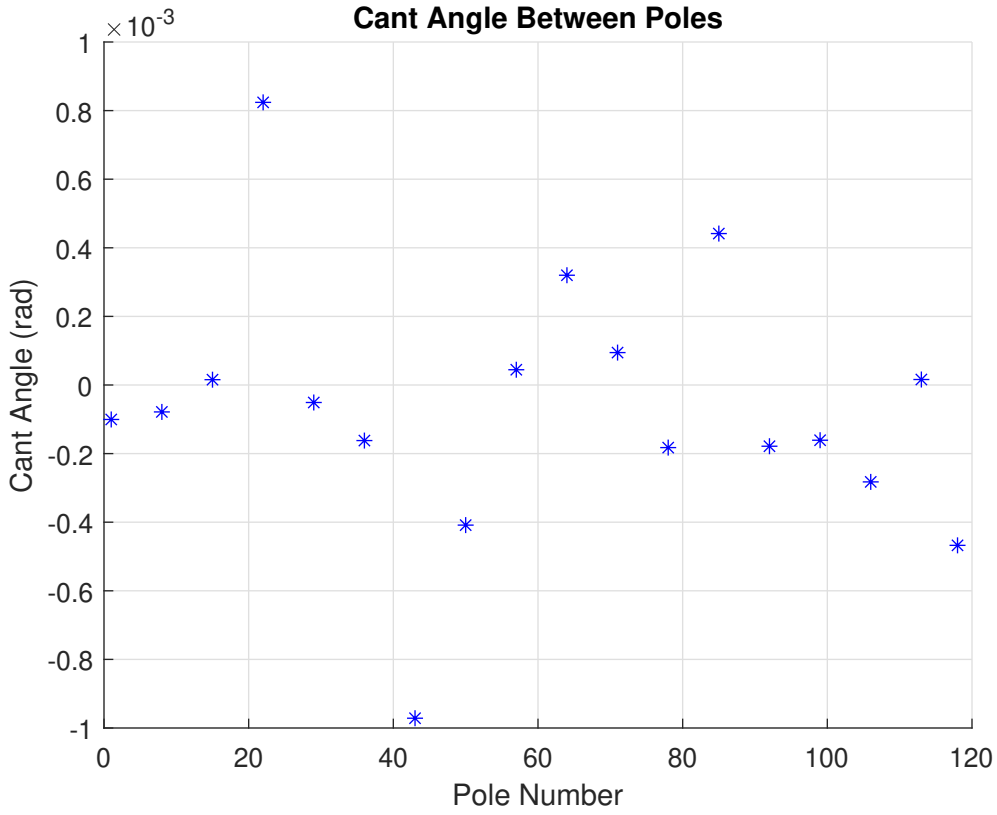

Midplane Height vs Pole Number
Ymid (mm)
0.07
0.065
0.06
0.055
0.05
0.045
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
0.07
0.065
0.06
0.055
0.05
0.045
Ymid (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -5.852002e-06 rad


Gap vs Pole Number
25.03
25.025
25.02
25.015
25.01
25.005
25
24.995
Gap (mm)
0
20
40
60
80
100
120
Pole Number


Gap vs Z
25.03
25.025
25.02
25.015
25.01
25.005
25
24.995
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = -9.639811e-07 rad


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


Cant Angle Between Poles
×10-3
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
Cant Angle (rad)
0
20
40
60
80
100
120
Pole Number