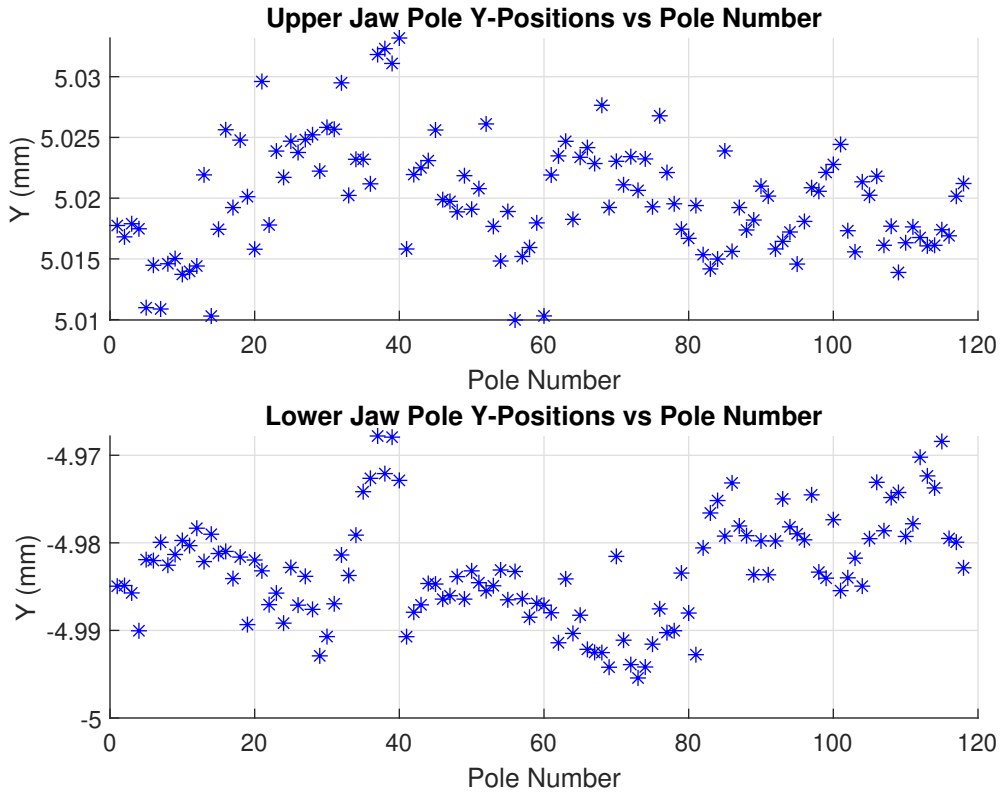
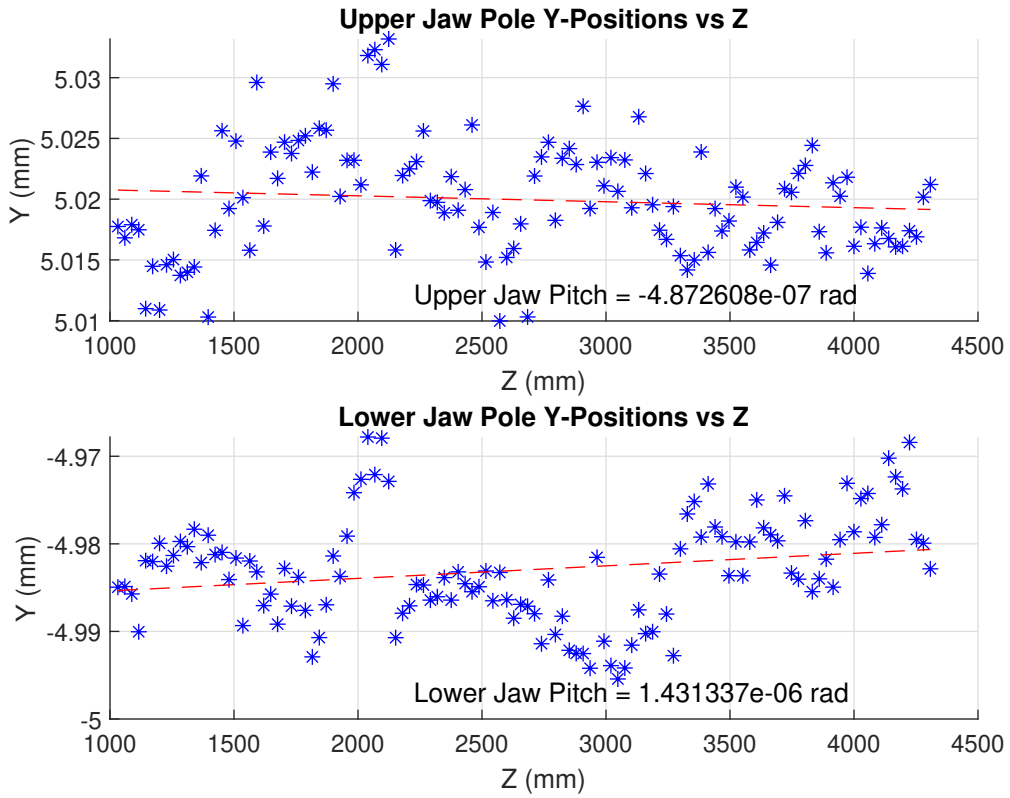
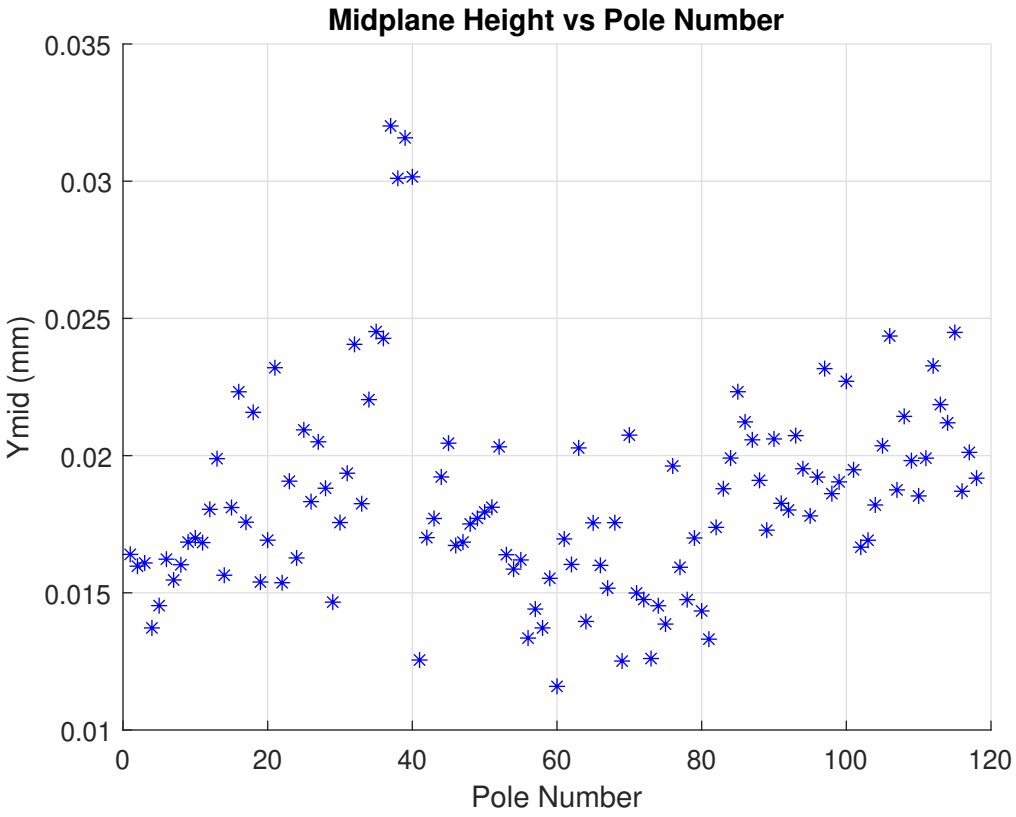
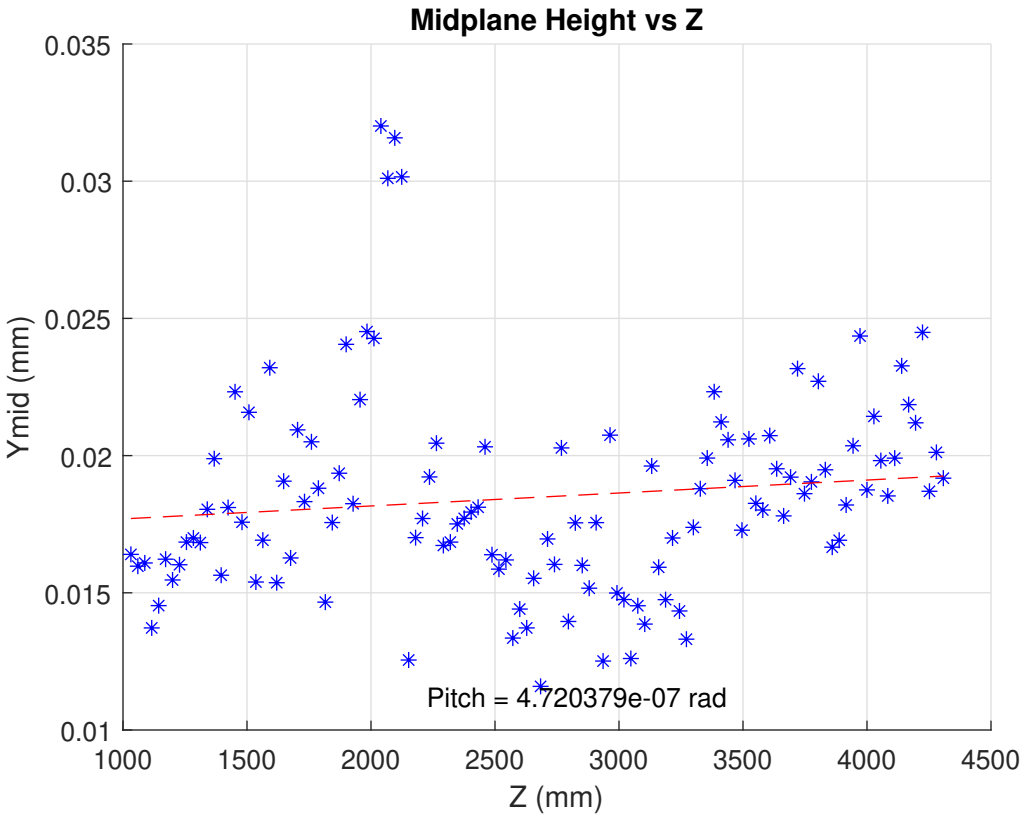
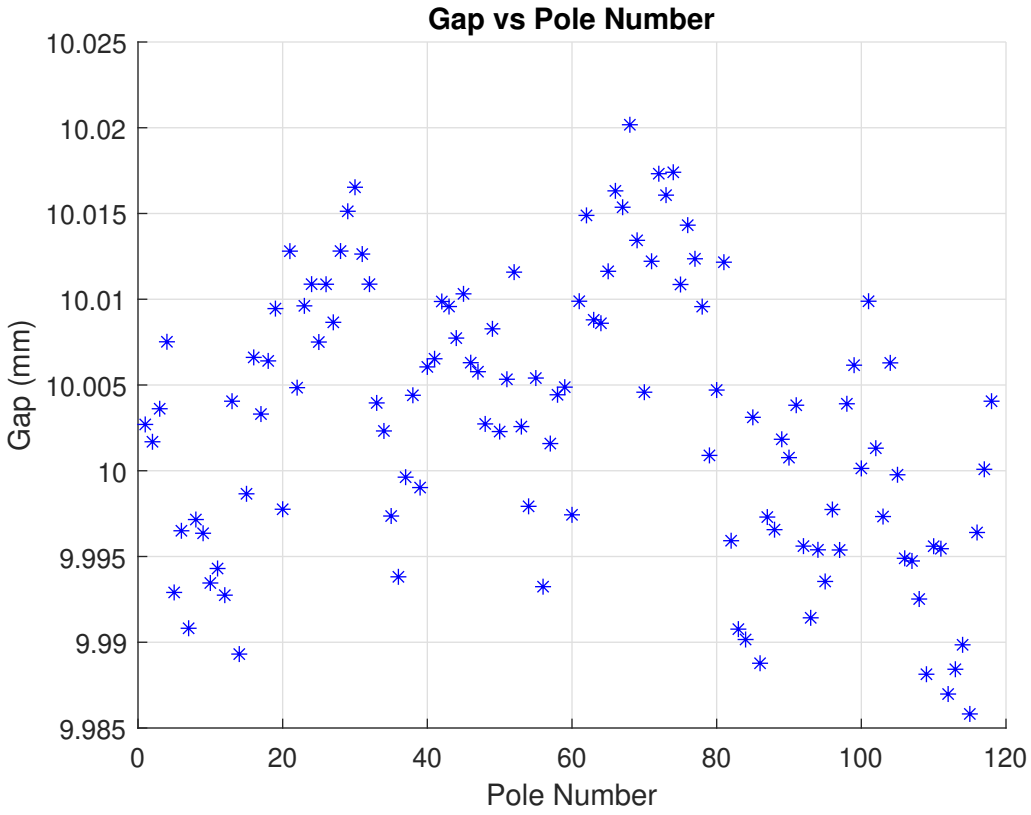
SLAC Magnetic Measurements#
Date: 09-01-2022#
Time: 14:23:17#

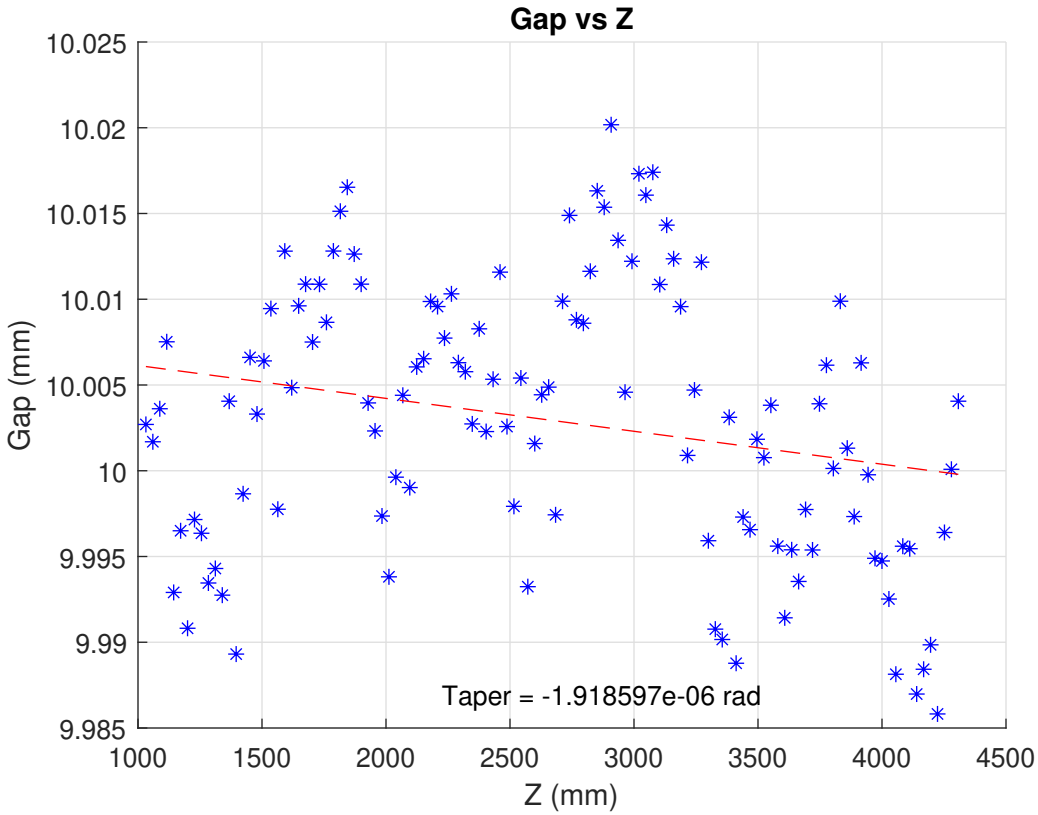

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
5.03
5.025
5.02
5.015
5.01
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-4.97
-4.98
-4.99
-5
0
20
40
60
80
100
120
Pole Number

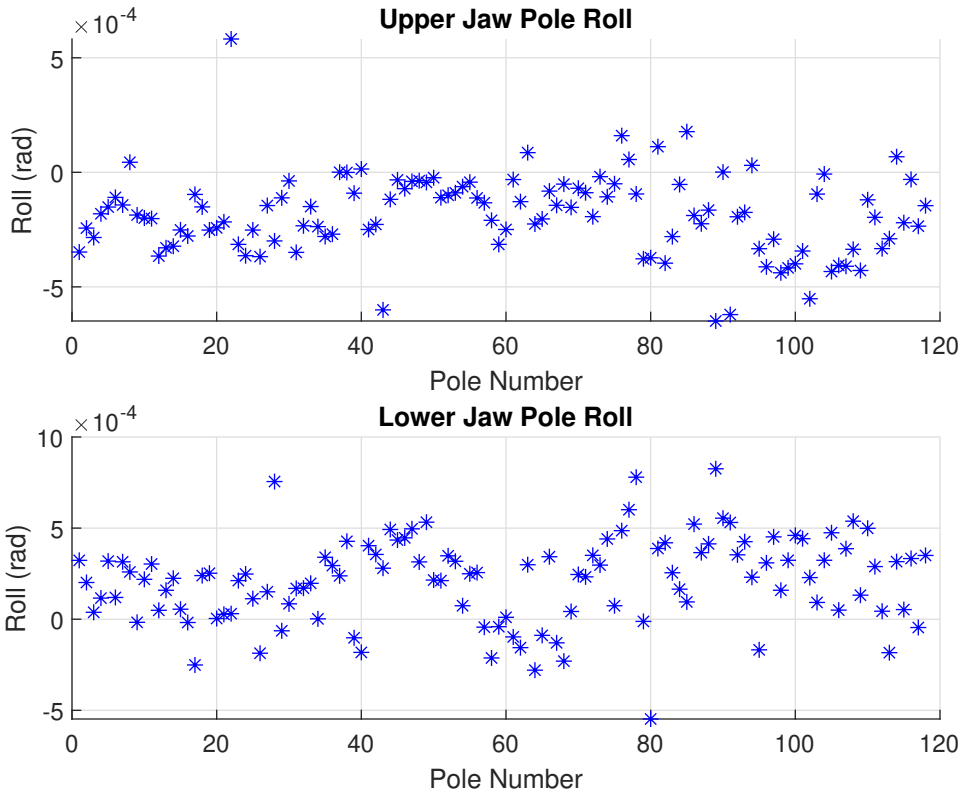

Upper Jaw Pole Y-Positions vs Z
Y (mm)
5.03
5.025
5.02
5.015
5.01
Upper Jaw Pitch = -4.872608e-07 rad
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-4.97
-4.98
-4.99
-5
Lower Jaw Pitch = 1.431337e-06 rad
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

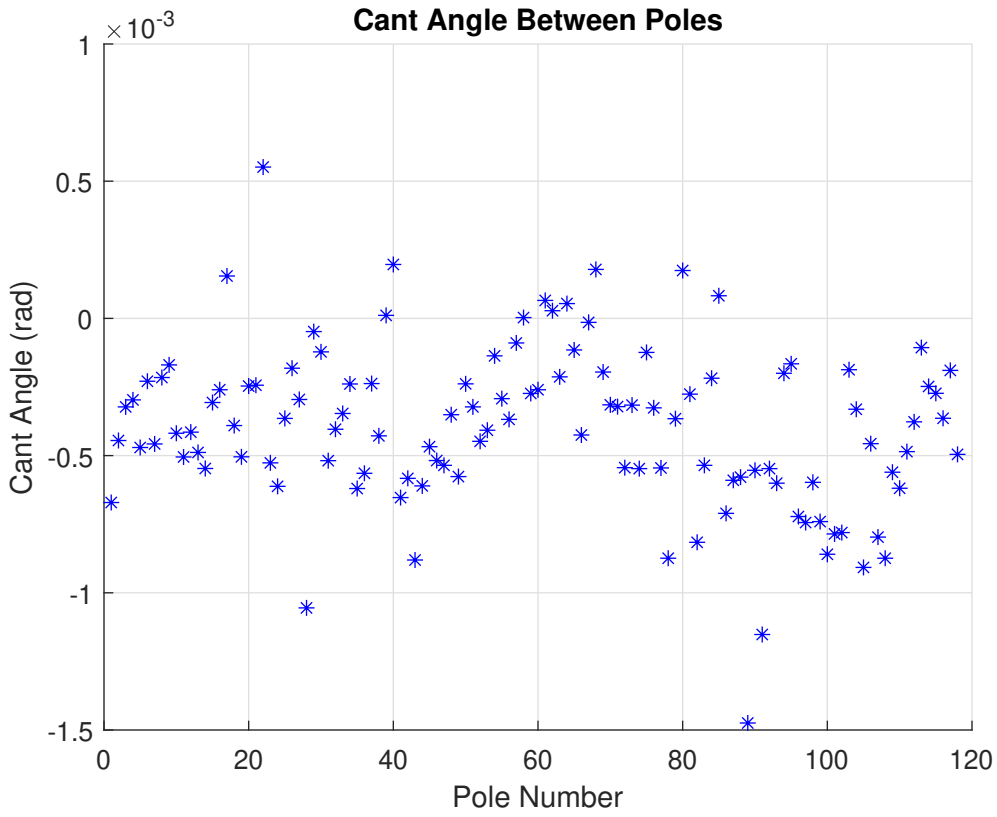

Midplane Height vs Pole Number
Ymid (mm)
0.035
0.03
0.025
0.02
0.015
0.01
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
0.035
0.03
0.025
0.02
0.015
0.01
Ymid (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 4.720379e-07 rad


Gap vs Pole Number
Gap (mm)
Pole Number
10.025
10.02
10.015
10.01
10.005
10
9.995
9.99
9.985
0
20
40
60
80
100
120


Gap vs Z
Gap (mm)
Z (mm)
Taper = -1.918597e-06 rad
10.025
10.02
10.015
10.01
10.005
10
9.995
9.99
9.985
1000
1500
2000
2500
3000
3500
4000
4500


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
10
5
0
-5
Roll (rad)
0
20
40
60
80
100
120
Pole Number


Cant Angle Between Poles
×10-3
1
0.5
0
-0.5
-1
-1.5
Cant Angle (rad)
0
20
40
60
80
100
120
Pole Number