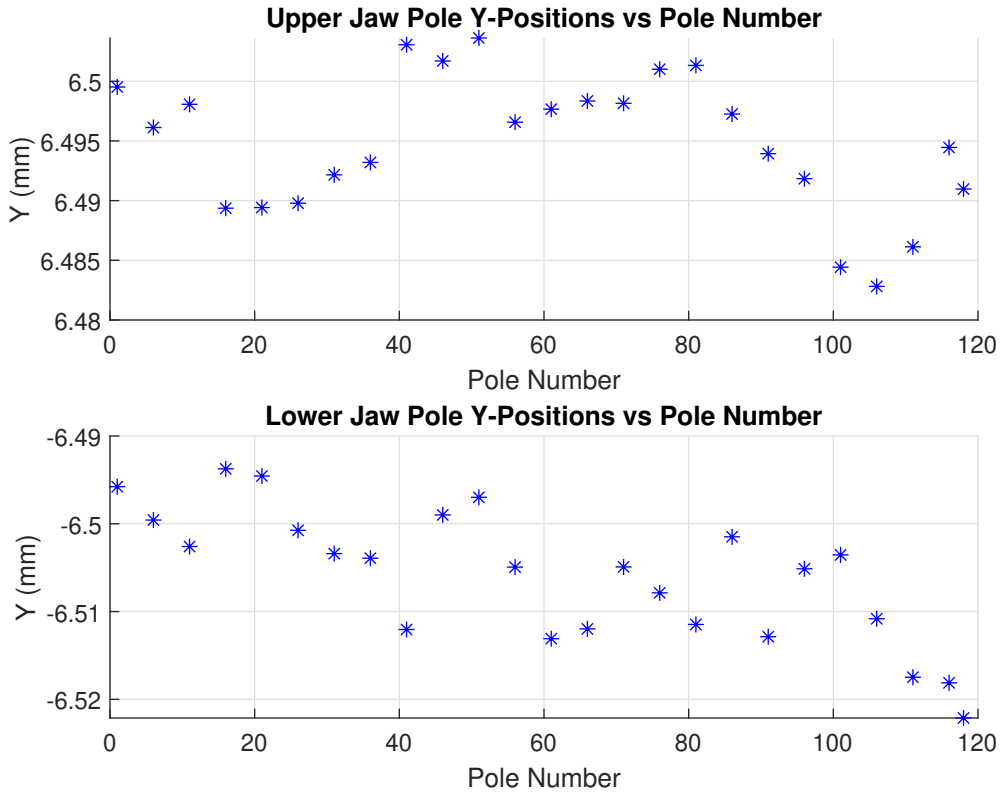
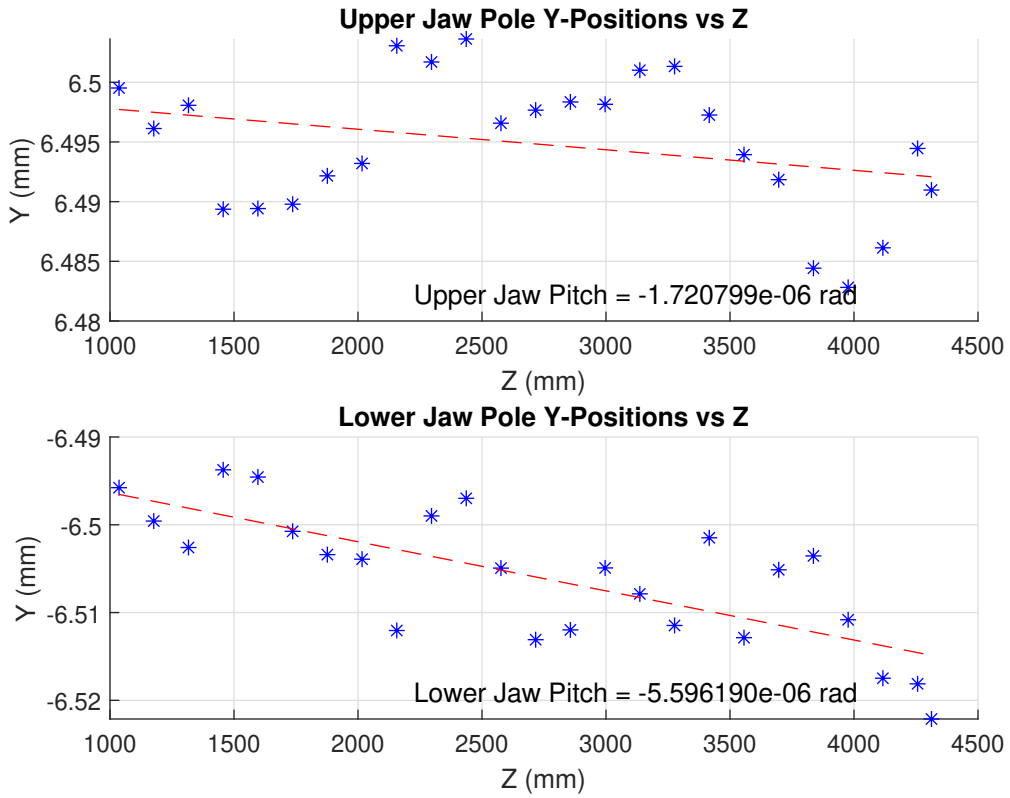
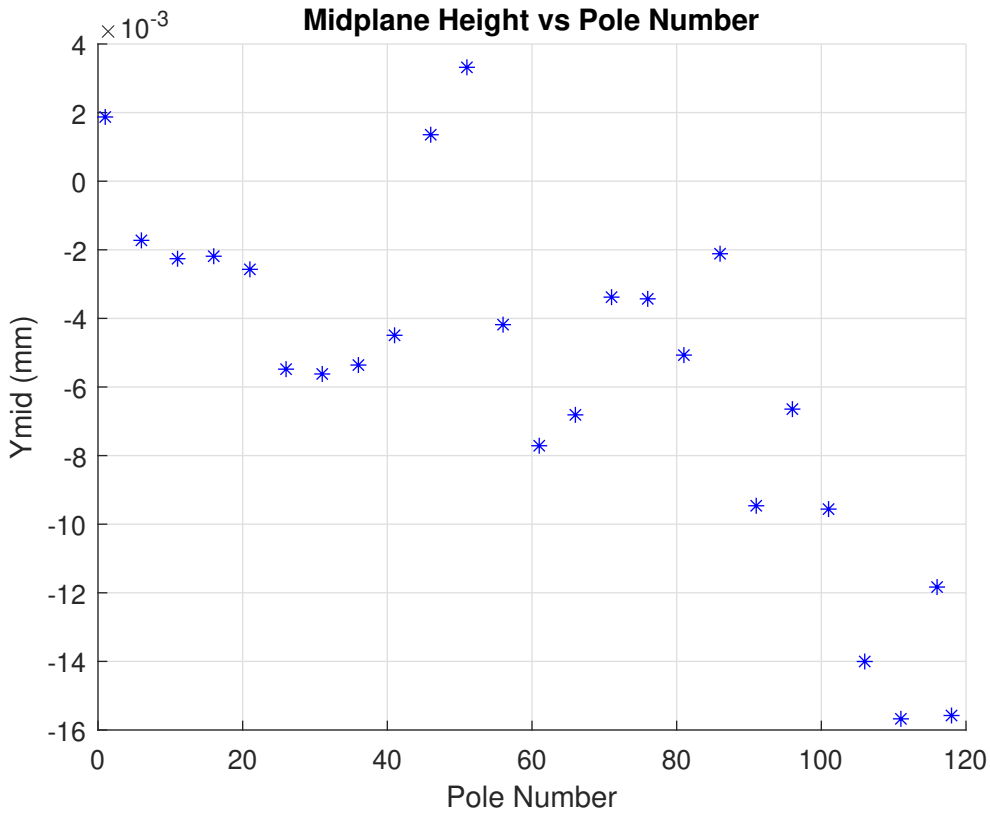
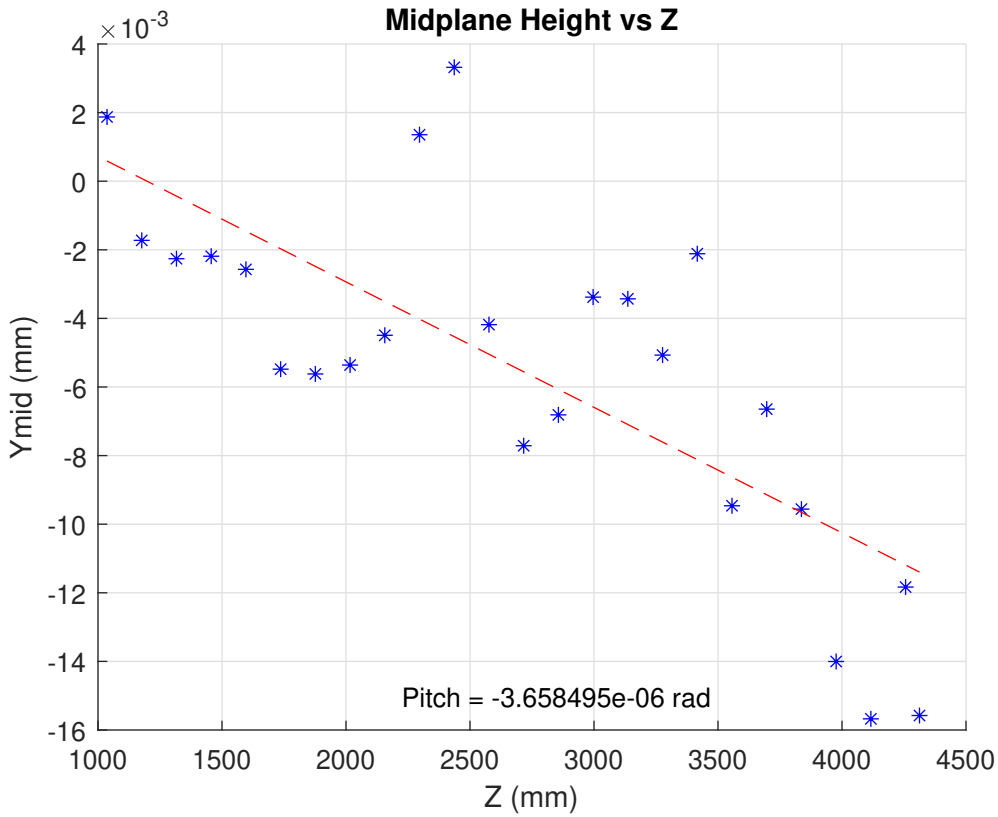
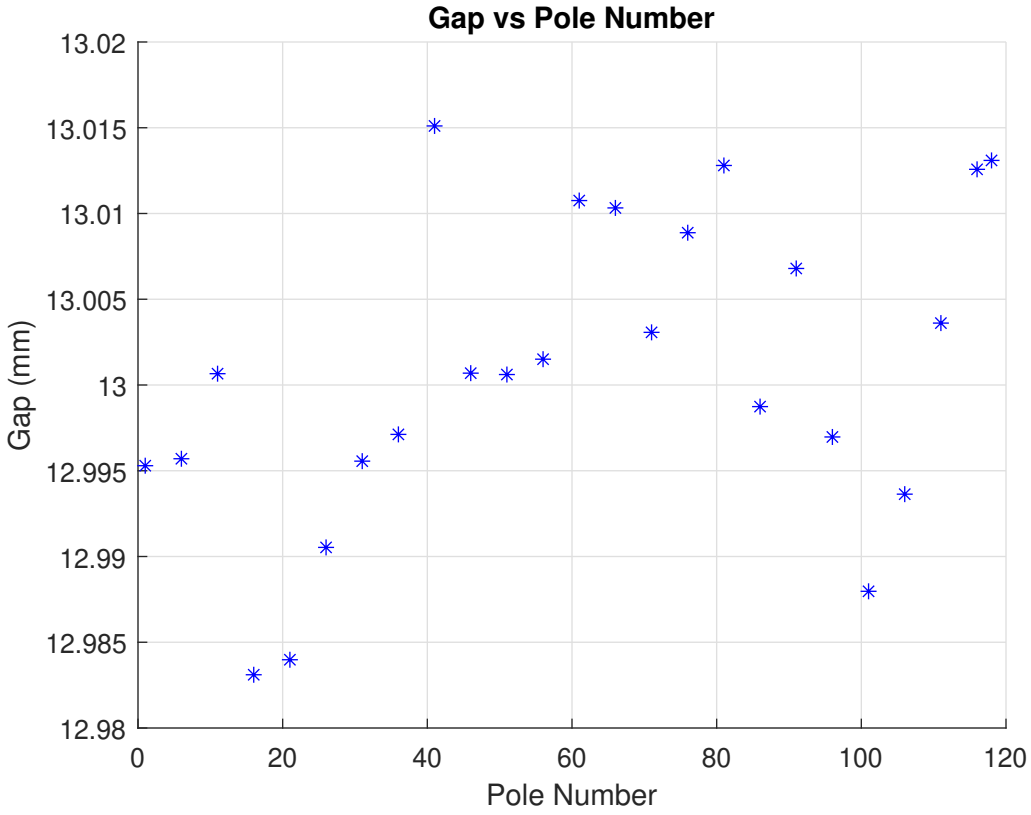
SLAC Magnetic Measurements#
Date: 05-28-2024#
Time: 17:40:54#

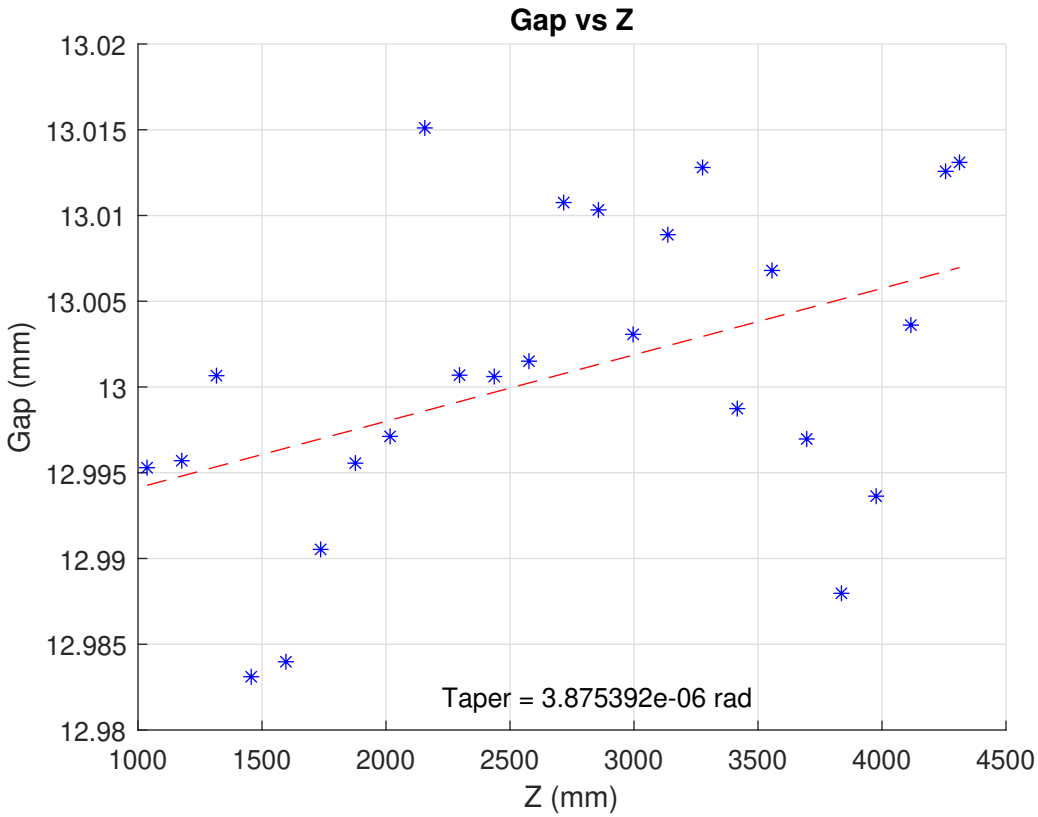

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
6.5
6.495
6.49
6.485
6.48
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-6.49
-6.5
-6.51
-6.52
0
20
40
60
80
100
120
Pole Number

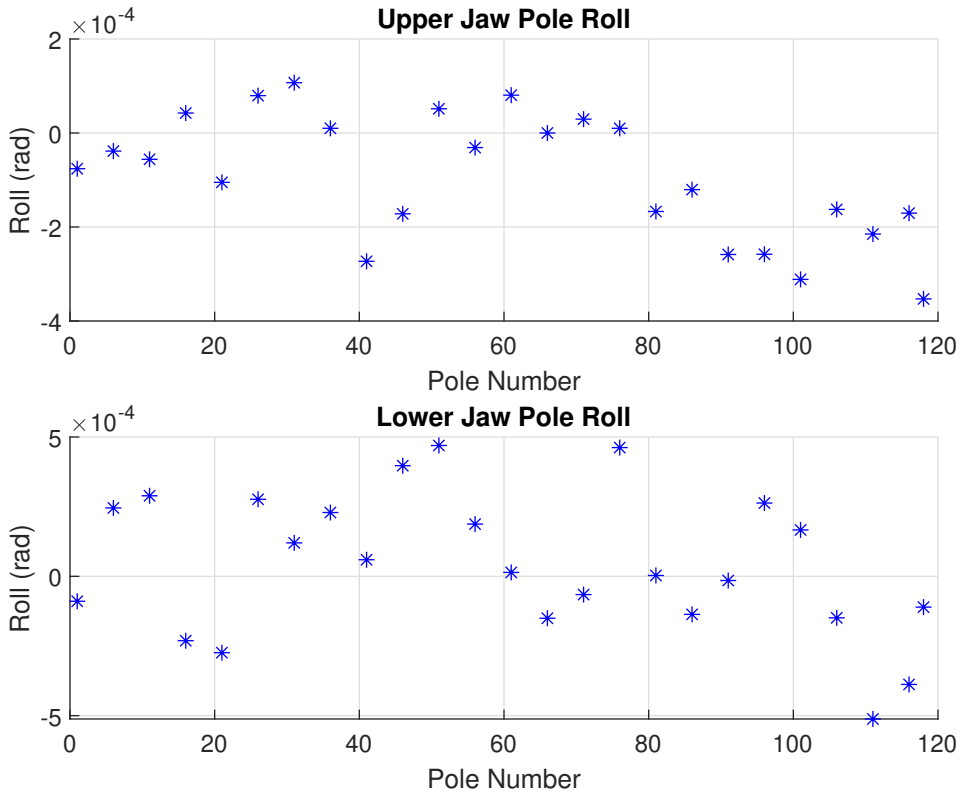

Upper Jaw Pole Y-Positions vs Z
Y (mm)
6.5
6.495
6.49
6.485
6.48
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Upper Jaw Pitch = -1.720799e-06 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-6.49
-6.5
-6.51
-6.52
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pitch = -5.596190e-06 rad

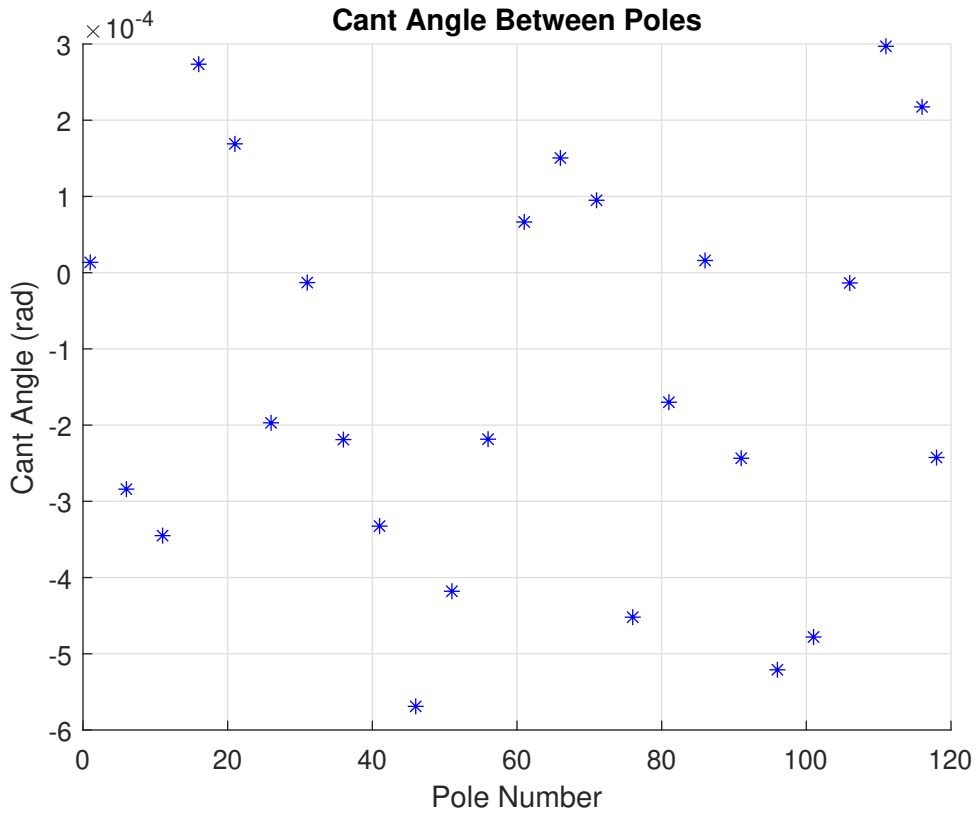

Midplane Height vs Pole Number
×10-3
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16
Ymid (mm)
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
×10-3
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16
Ymid (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -3.658495e-06 rad


Gap vs Pole Number
13.02
13.015
13.01
13.005
13
12.995
12.99
12.985
12.98
Gap (mm)
0
20
40
60
80
100
120
Pole Number


Gap vs Z
13.02
13.015
13.01
13.005
13
12.995
12.99
12.985
12.98
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = 3.875392e-06 rad


Upper Jaw Pole Roll
×10^-4
2
0
-2
-4
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^-4
3
2
1
0
-1
-2
-3
-4
-5
-6
Cant Angle (rad)
0
20
40
60
80
100
120
Pole Number