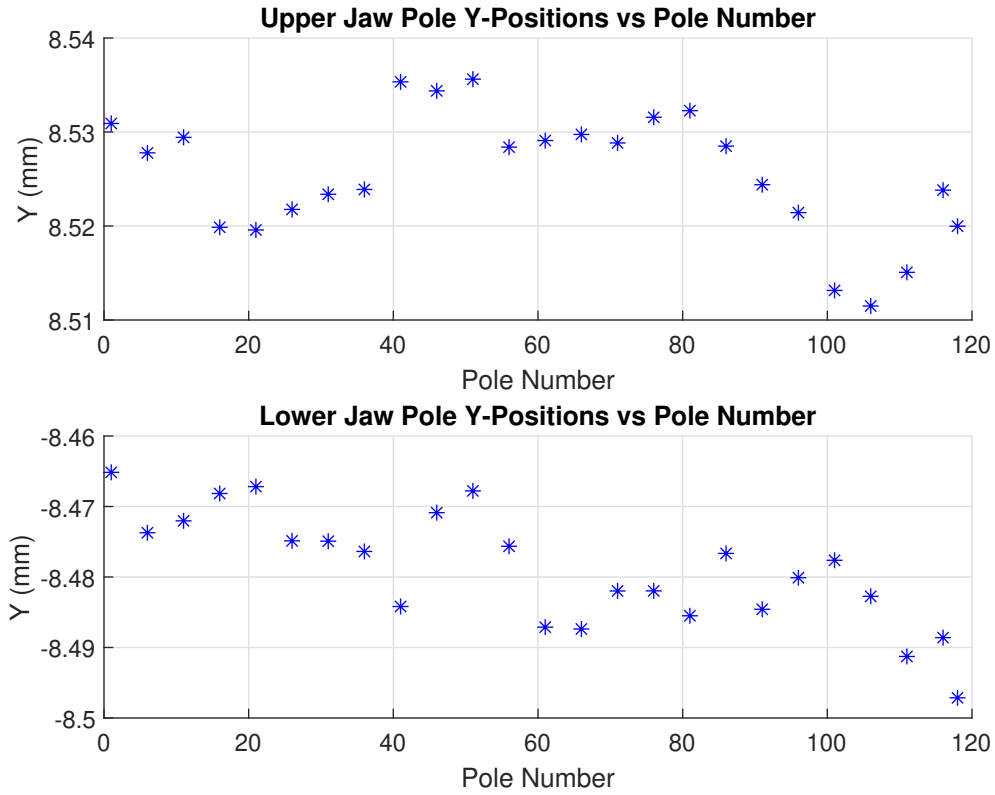
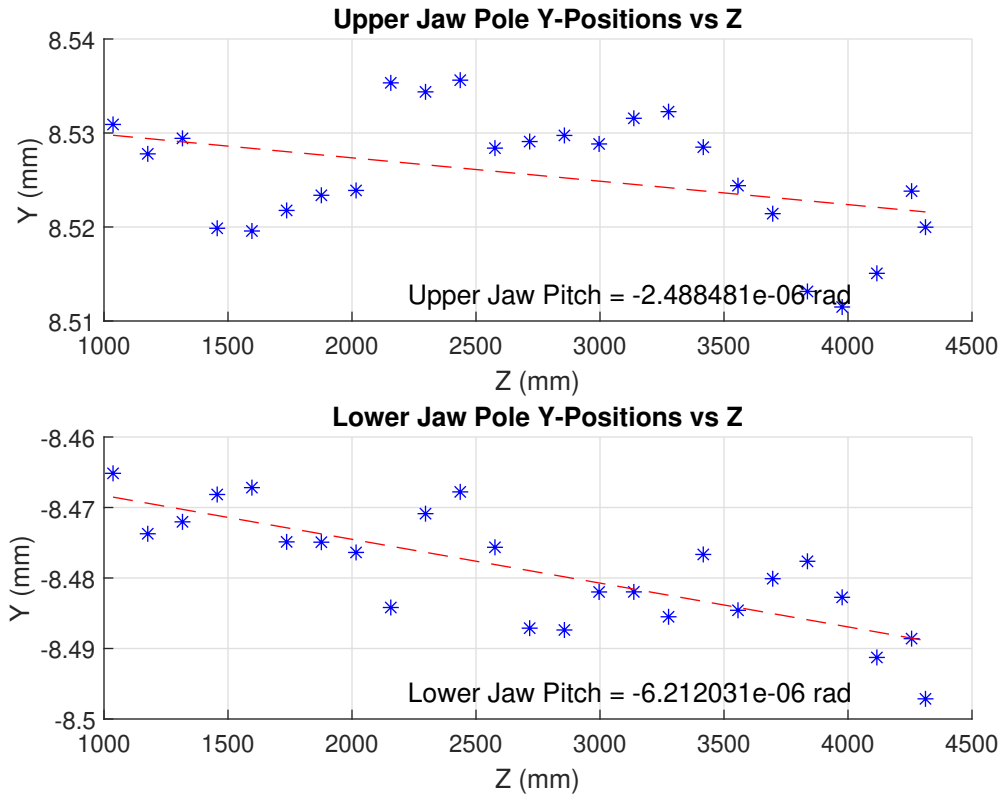
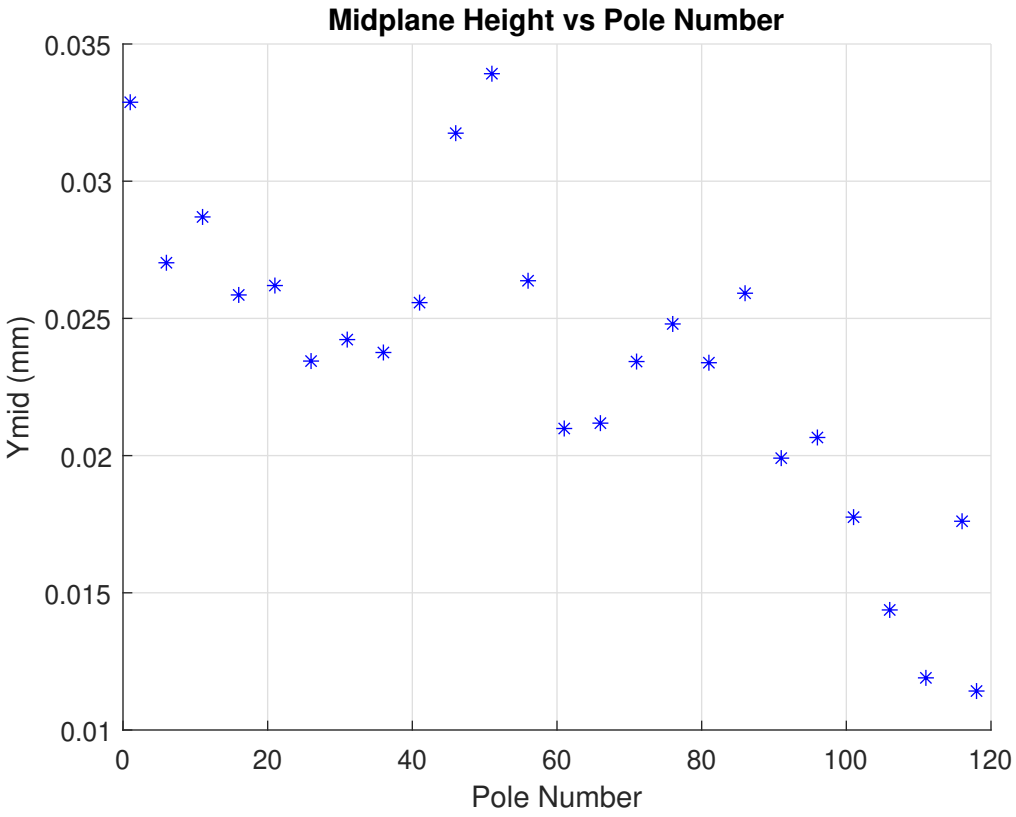
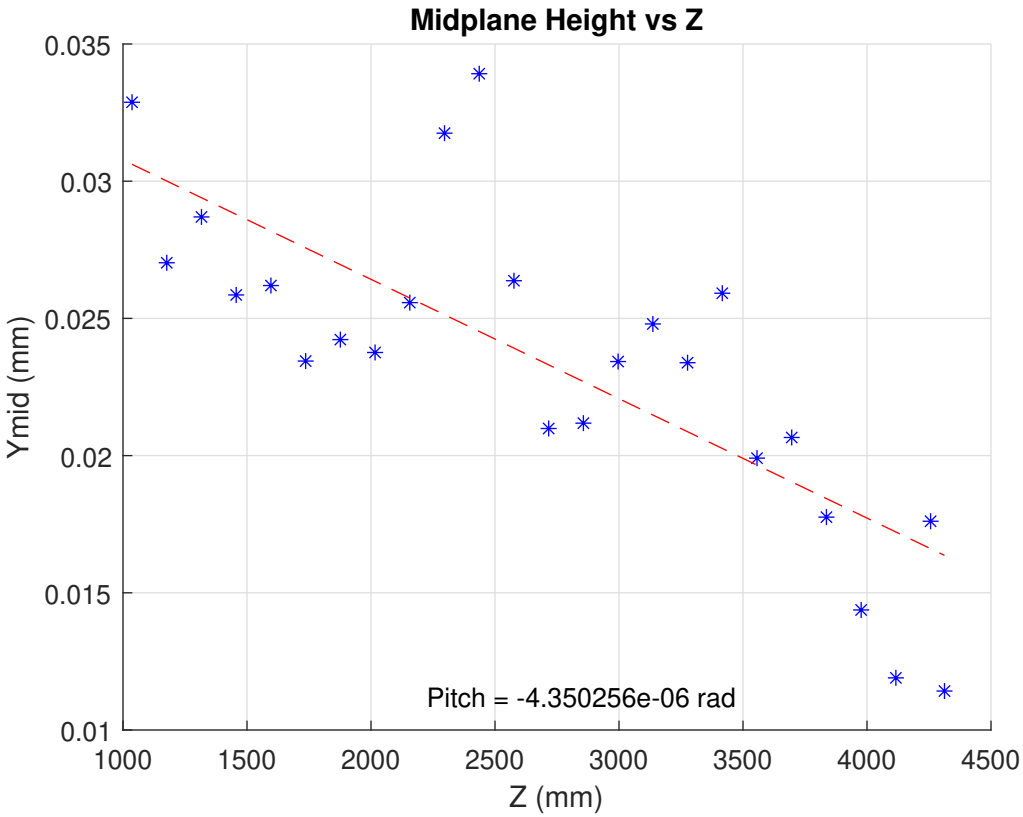
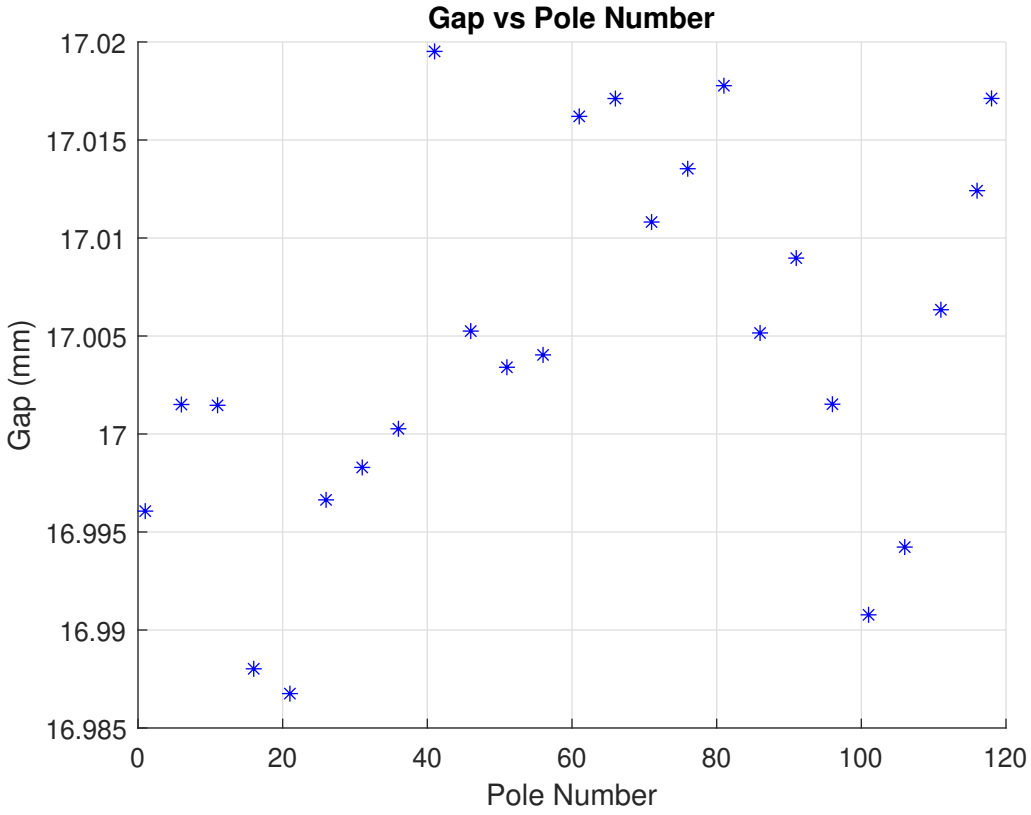
SLAC Magnetic Measurements#
Date: 05-28-2024#
Time: 17:41:27#

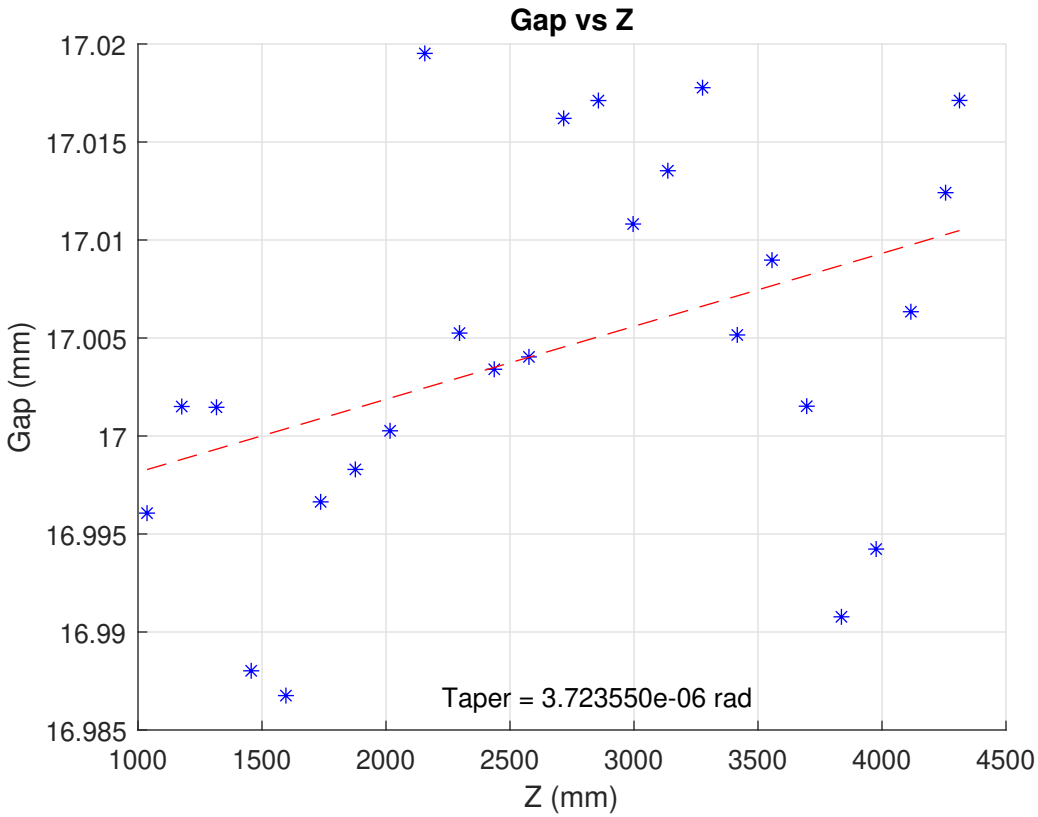

Upper Jaw Pole Y-Positions vs Pole Number
8.54
8.53
8.52
8.51
Y (mm)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
-8.46
-8.47
-8.48
-8.49
-8.5
Y (mm)
0
20
40
60
80
100
120
Pole Number

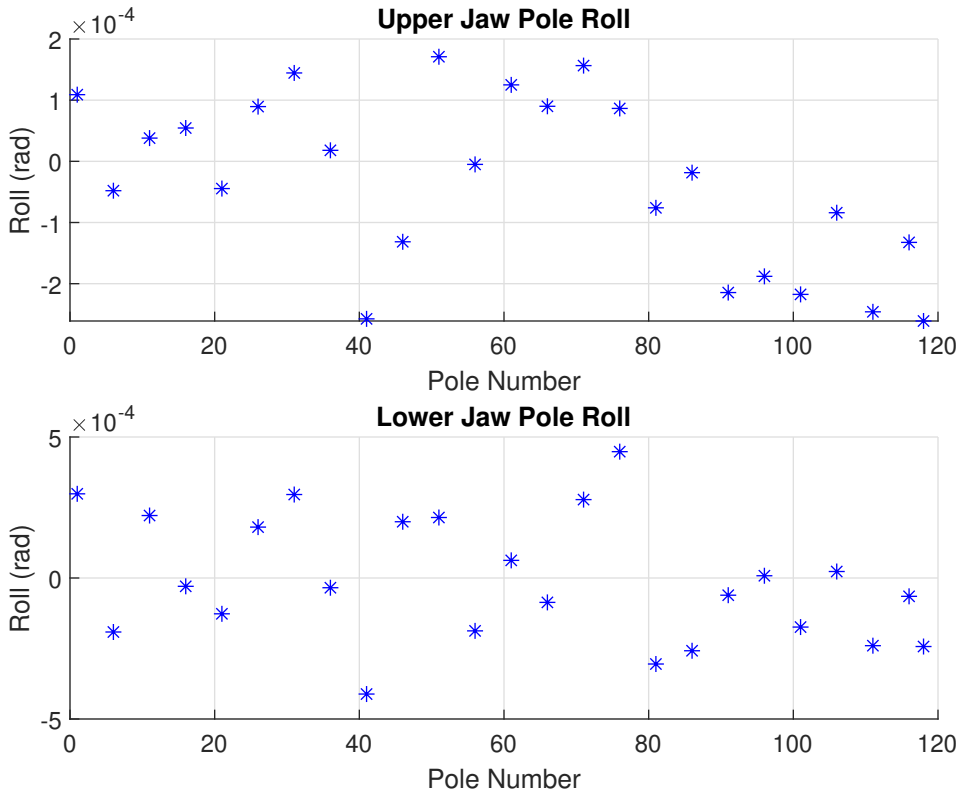

Upper Jaw Pole Y-Positions vs Z
8.54
8.53
8.52
8.51
Y (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Upper Jaw Pitch = -2.488481e-06 rad
Lower Jaw Pole Y-Positions vs Z
-8.46
-8.47
-8.48
-8.49
-8.5
Y (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pitch = -6.212031e-06 rad

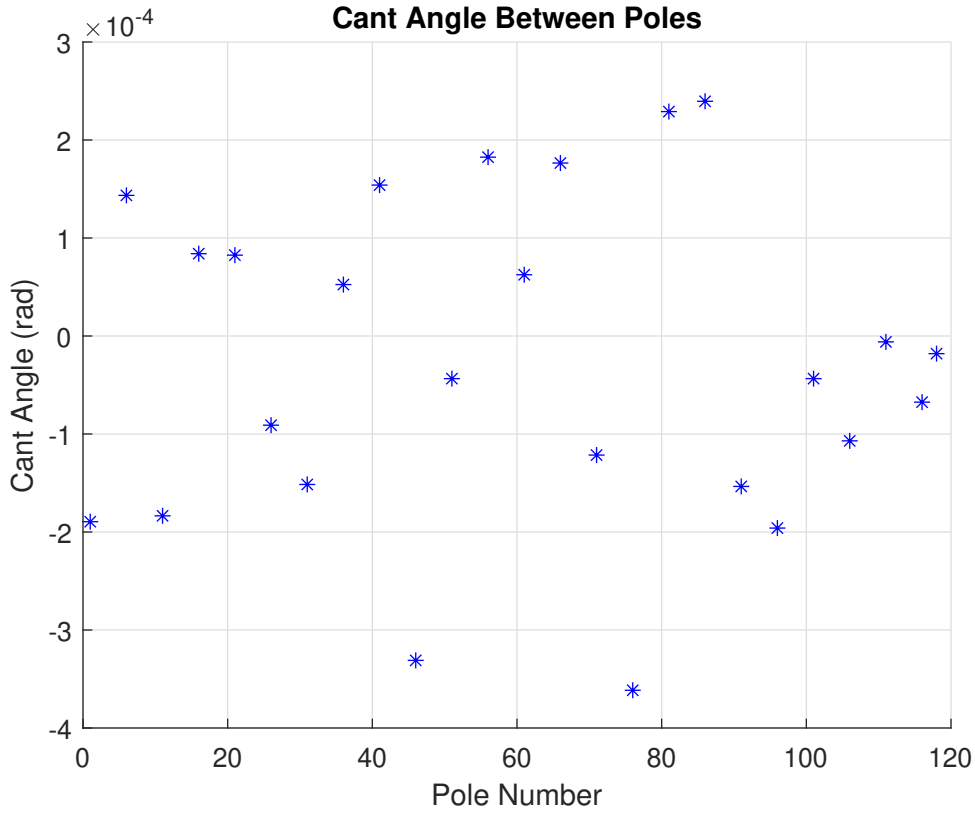

Midplane Height vs Pole Number
Ymid (mm)
0.035
0.03
0.025
0.02
0.015
0.01
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
Ymid (mm)
Z (mm)
0.035
0.03
0.025
0.02
0.015
0.01
1000
1500
2000
2500
3000
3500
4000
4500
Pitch = -4.350256e-06 rad


Gap vs Pole Number
17.02
17.015
17.01
17.005
17
16.995
16.99
16.985
Gap (mm)
0
20
40
60
80
100
120
Pole Number


Gap vs Z
17.02
17.015
17.01
17.005
17
16.995
16.99
16.985
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = 3.723550e-06 rad


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