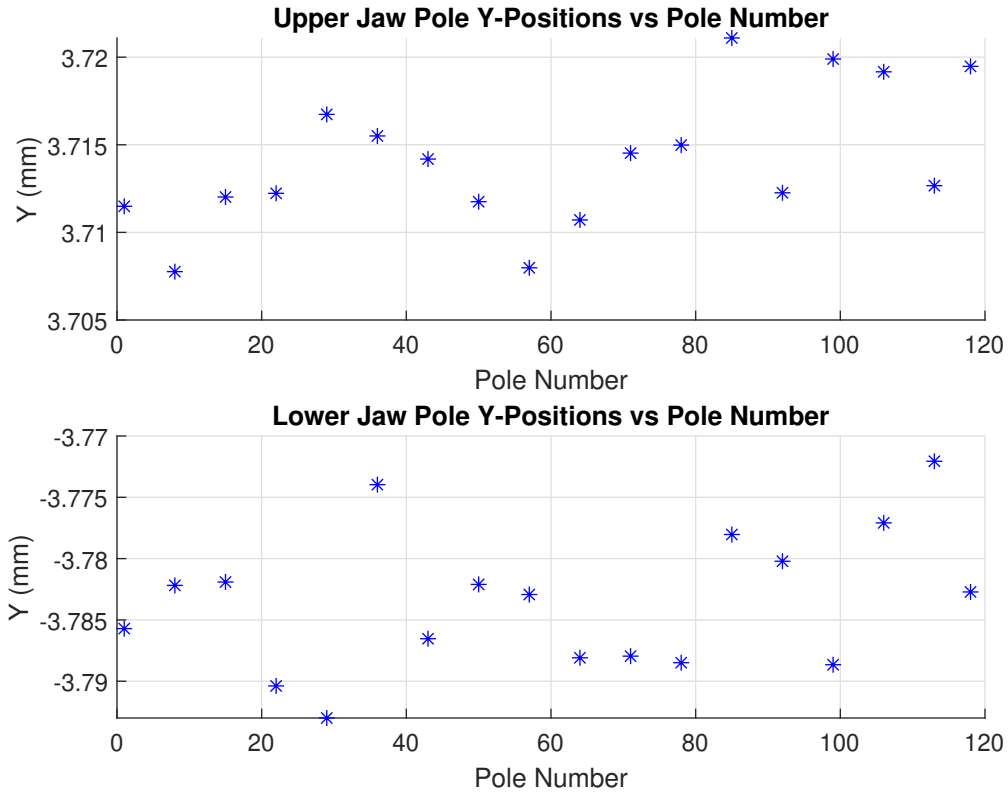
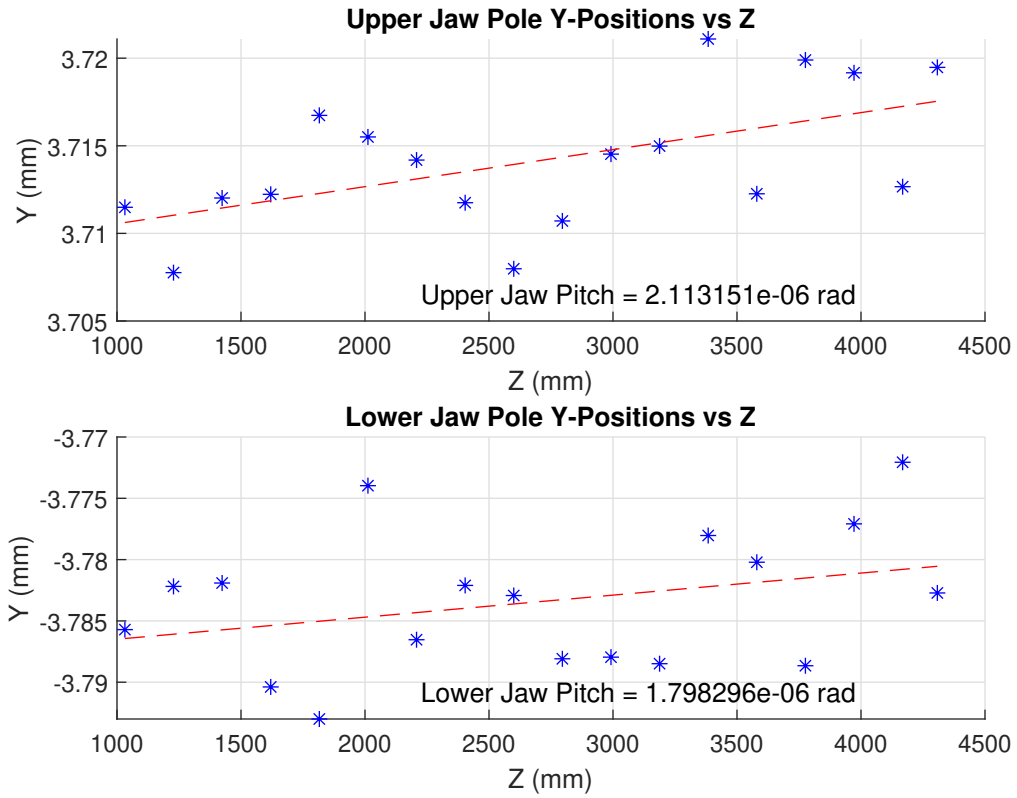
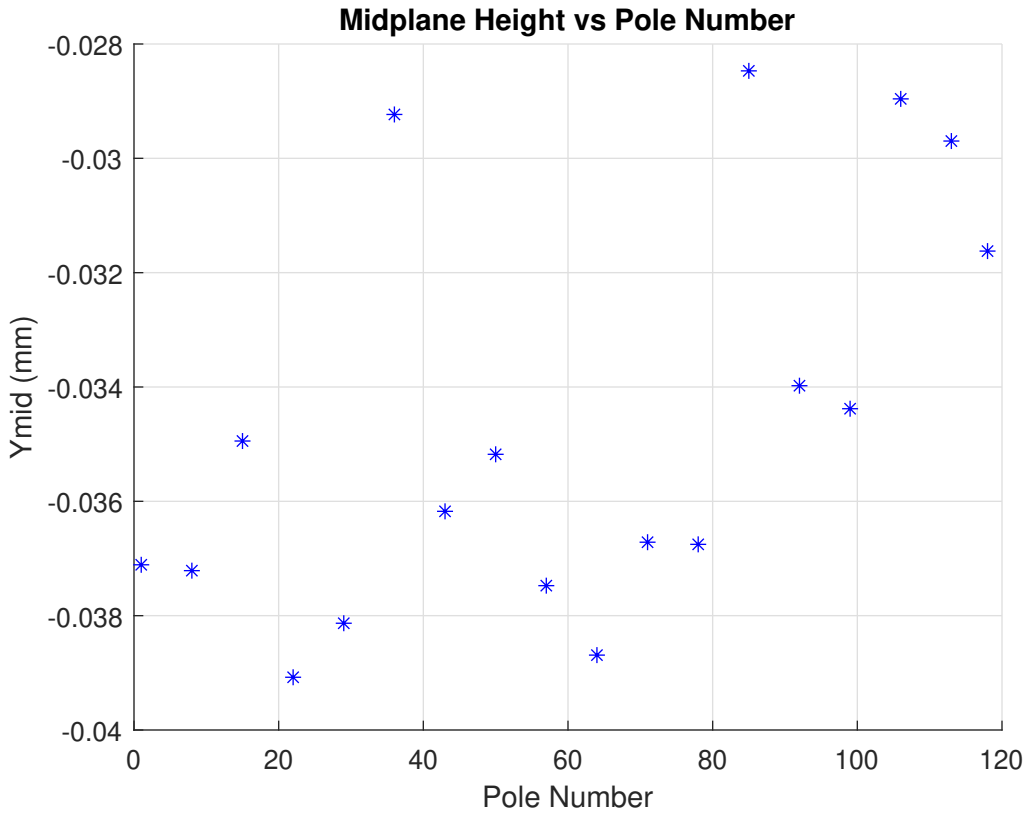
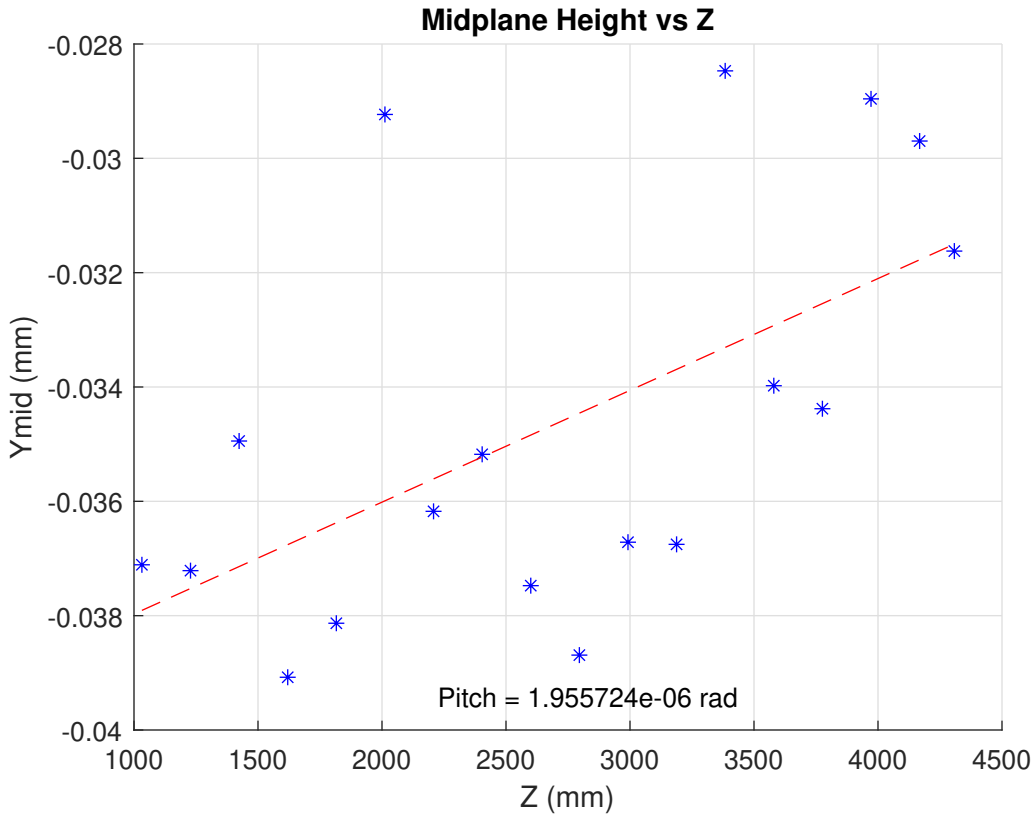
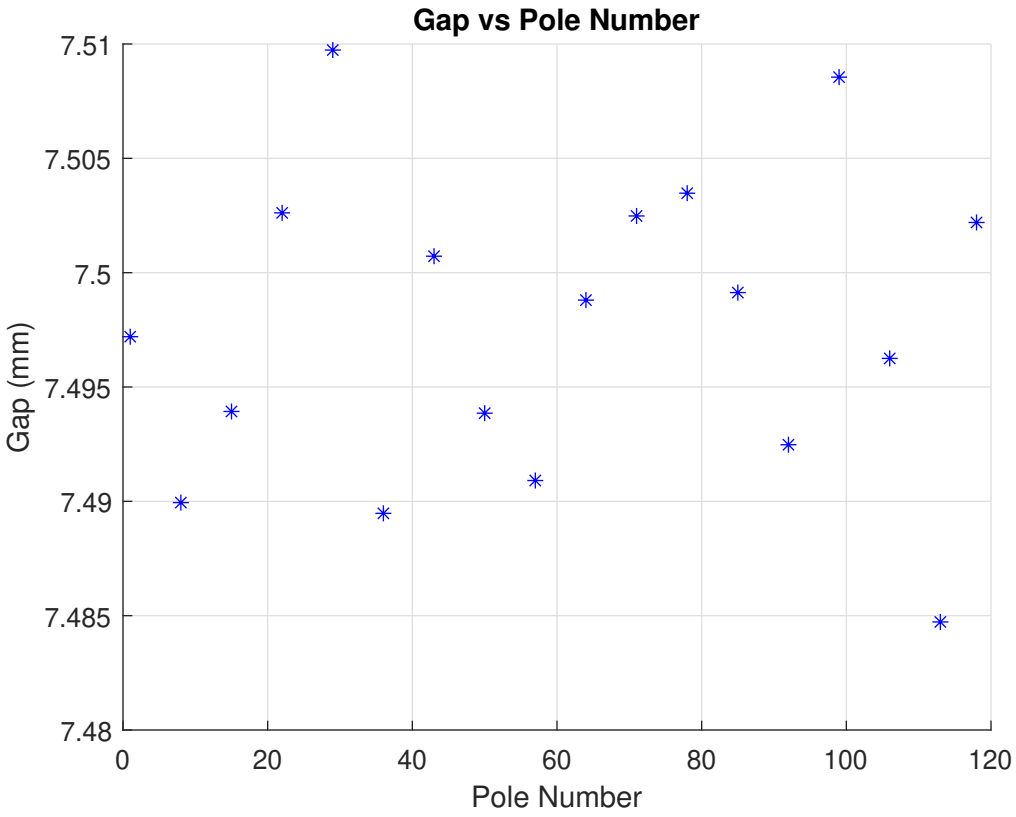
SLAC Magnetic Measurements#
Date: 09-01-2022#
Time: 14:24:25#

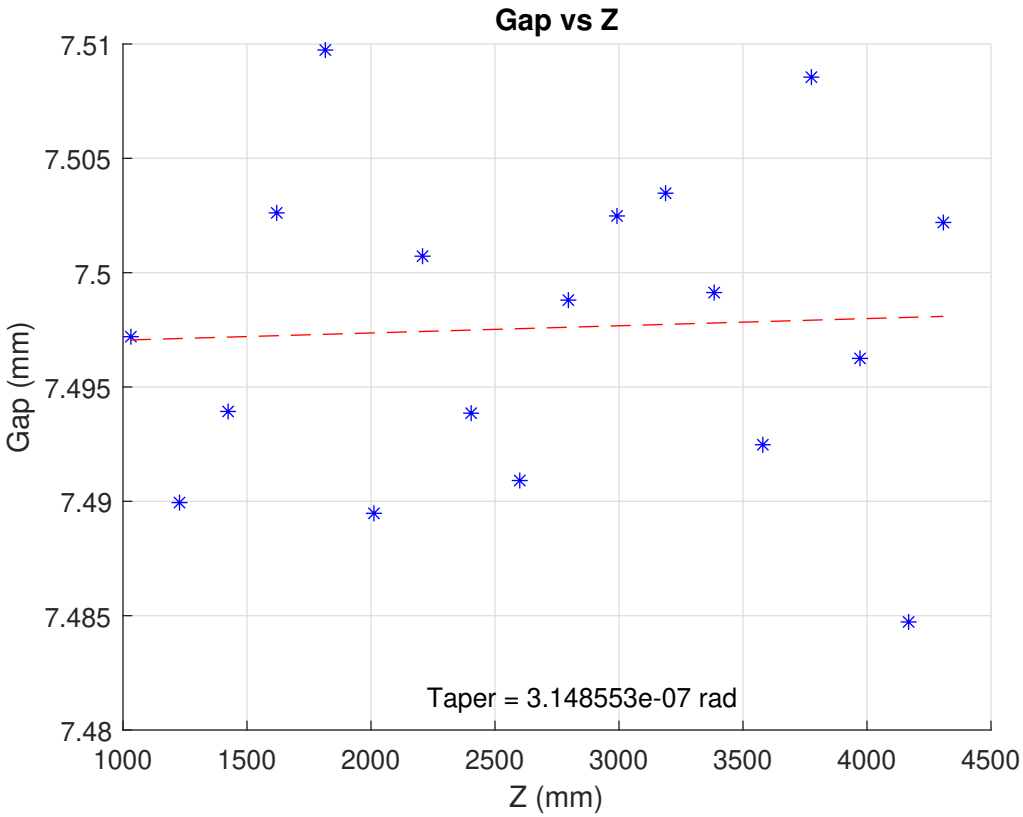

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
3.72
3.715
3.71
3.705
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-3.77
-3.775
-3.78
-3.785
-3.79
0
20
40
60
80
100
120
Pole Number

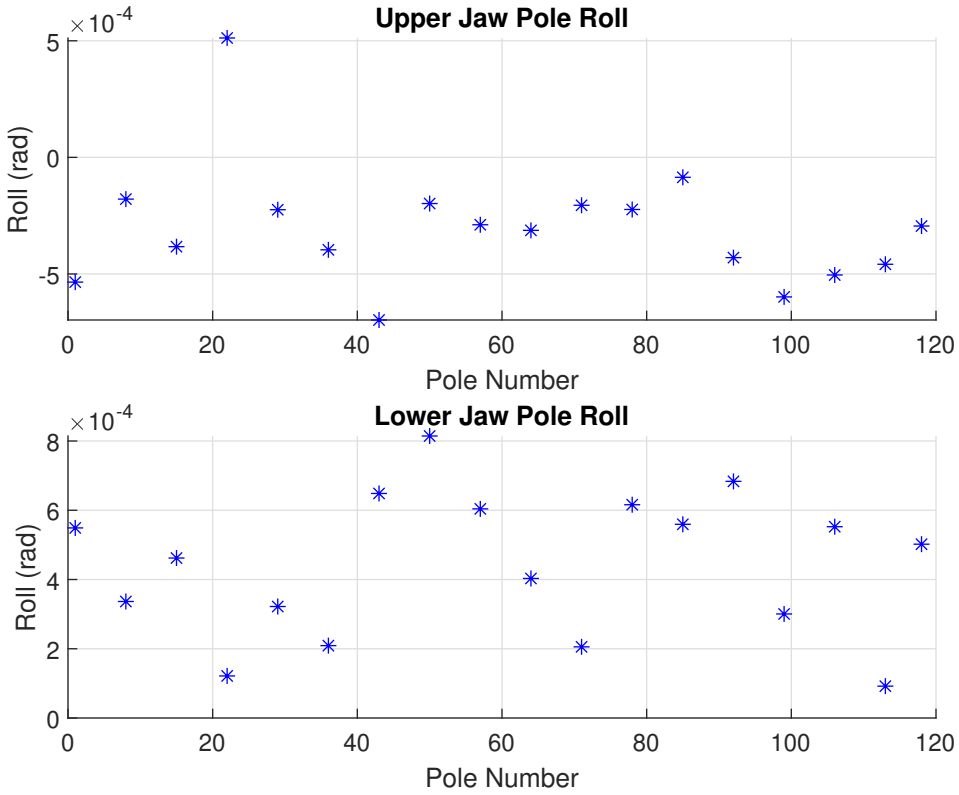

Upper Jaw Pole Y-Positions vs Z
Y (mm)
3.72
3.715
3.71
3.705
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Upper Jaw Pitch = 2.113151e-06 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-3.77
-3.775
-3.78
-3.785
-3.79
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pitch = 1.798296e-06 rad

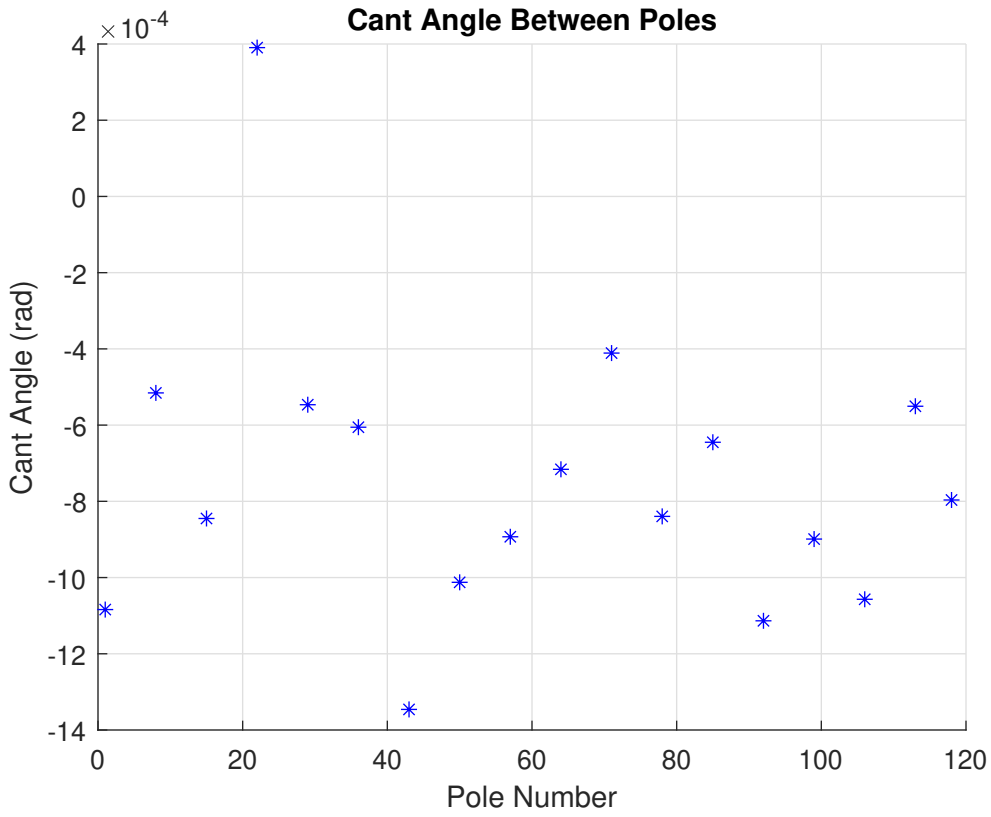

Midplane Height vs Pole Number
Ymid (mm)
-0.028
-0.03
-0.032
-0.034
-0.036
-0.038
-0.04
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
-0.028
-0.03
-0.032
-0.034
-0.036
-0.038
-0.04
Ymid (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 1.955724e-06 rad


Gap vs Pole Number
Gap (mm)
Pole Number
7.51
7.505
7.5
7.495
7.49
7.485
7.48
0
20
40
60
80
100
120


Gap vs Z
7.51
7.505
7.5
7.495
7.49
7.485
7.48
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = 3.148553e-07 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
8
6
4
2
0
Roll (rad)
0
20
40
60
80
100
120
Pole Number


Cant Angle Between Poles
×10^-4
4
2
0
-2
-4
-6
-8
-10
-12
-14
Cant Angle (rad)
0
20
40
60
80
100
120
Pole Number