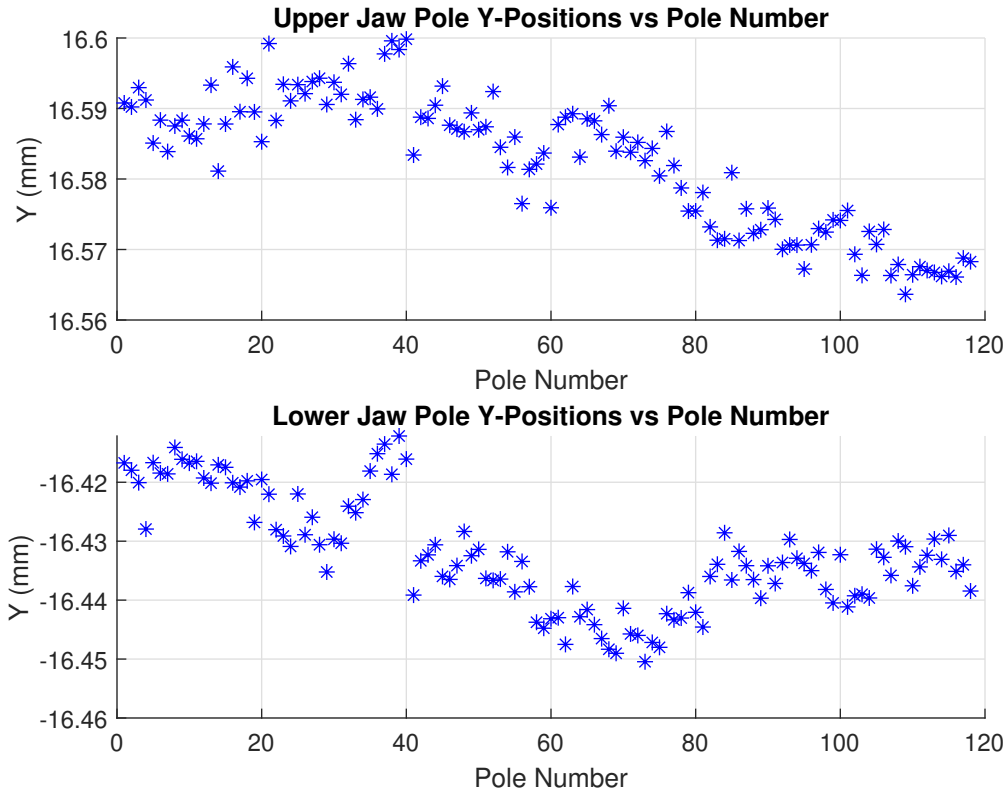
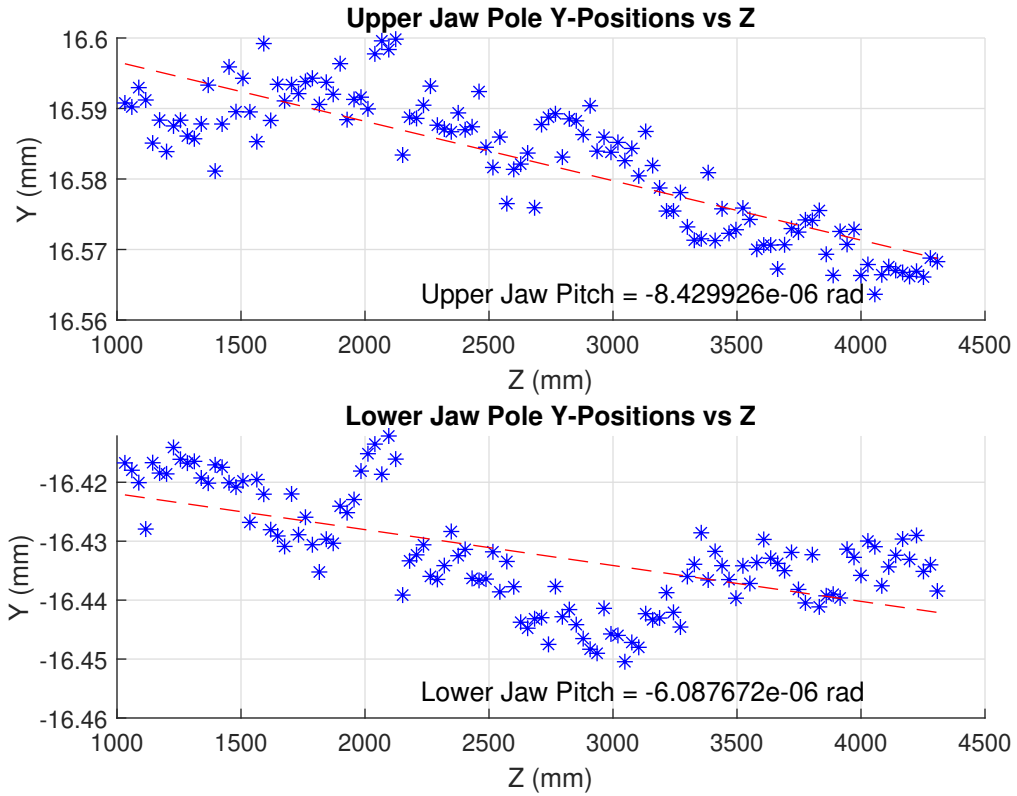
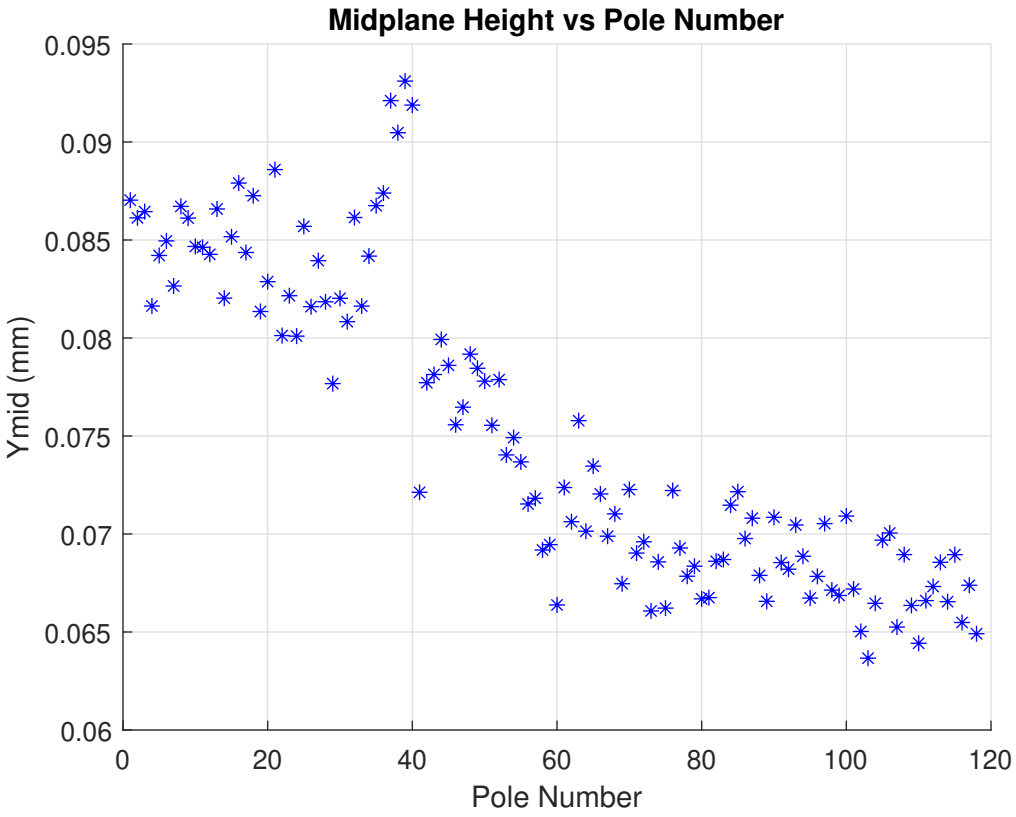
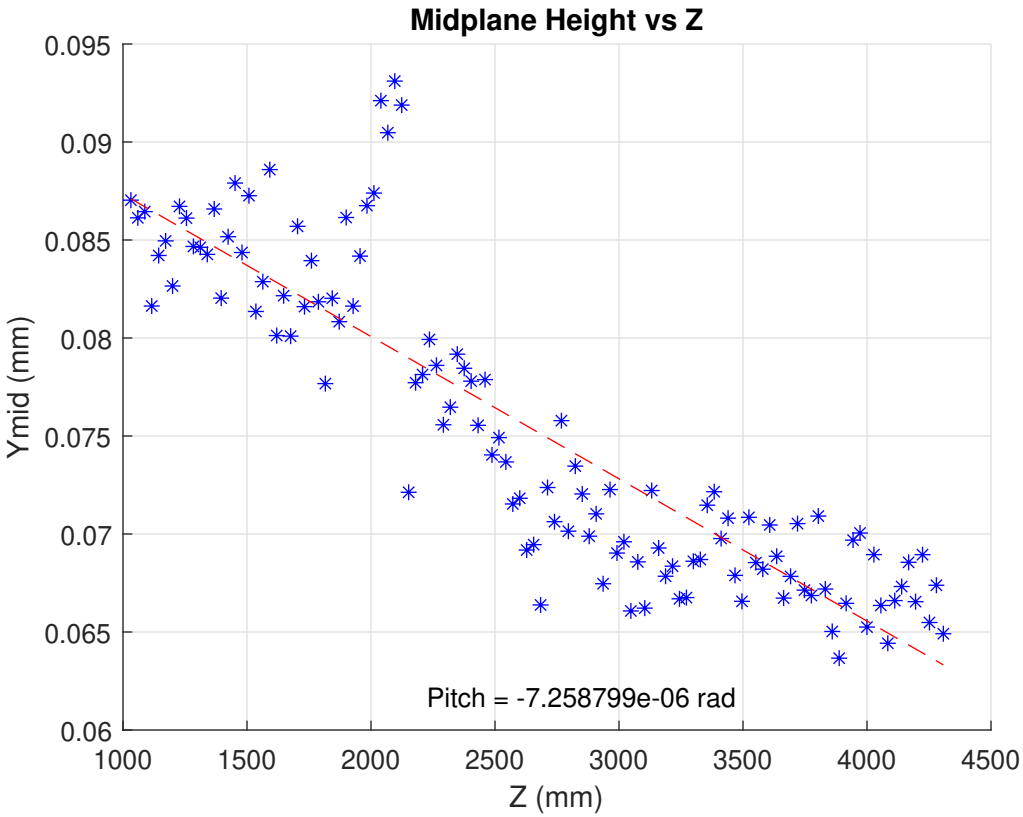
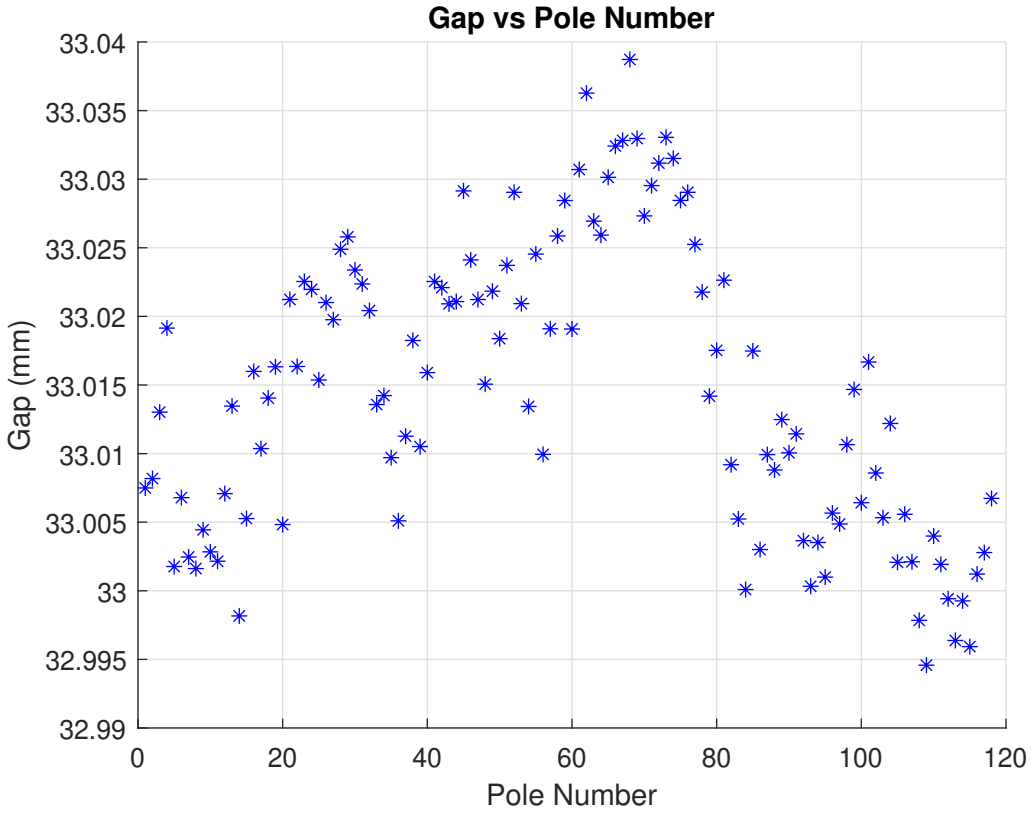
SLAC Magnetic Measurements#
Date: 09-01-2022#
Time: 14:24:03#

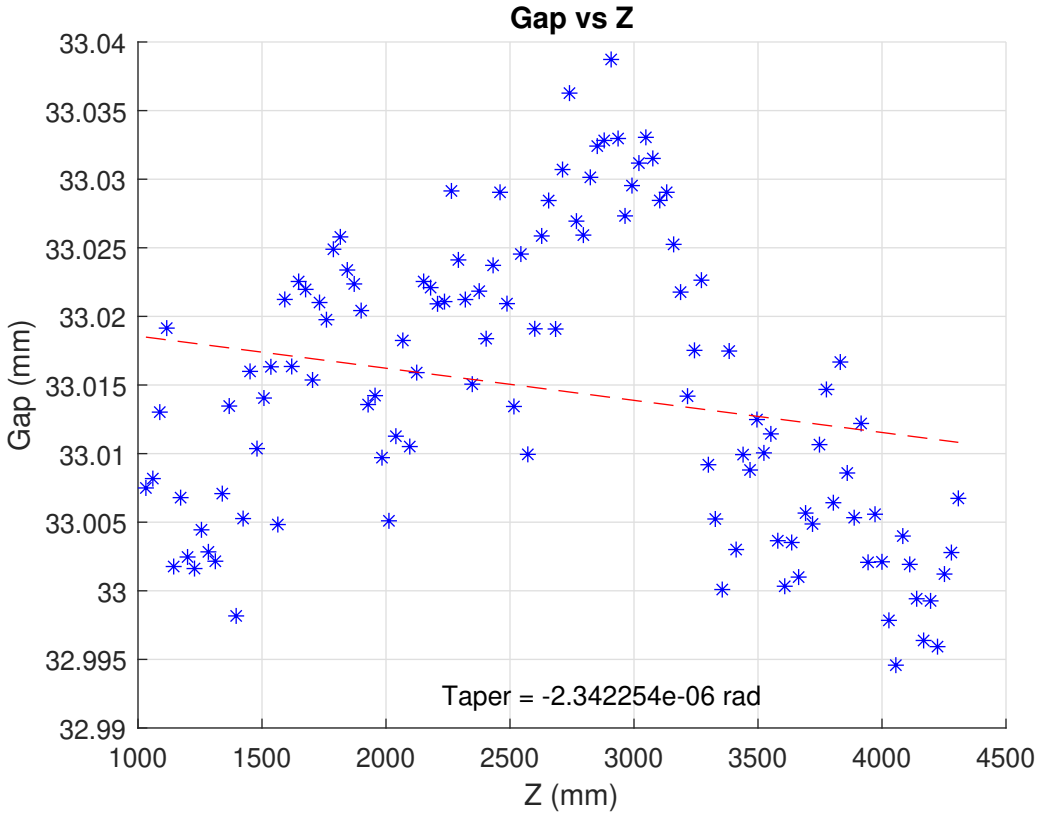

Upper Jaw Pole Y-Positions vs Pole Number
16.6
16.59
16.58
16.57
16.56
Y (mm)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
-16.42
-16.43
-16.44
-16.45
-16.46
Y (mm)
0
20
40
60
80
100
120
Pole Number

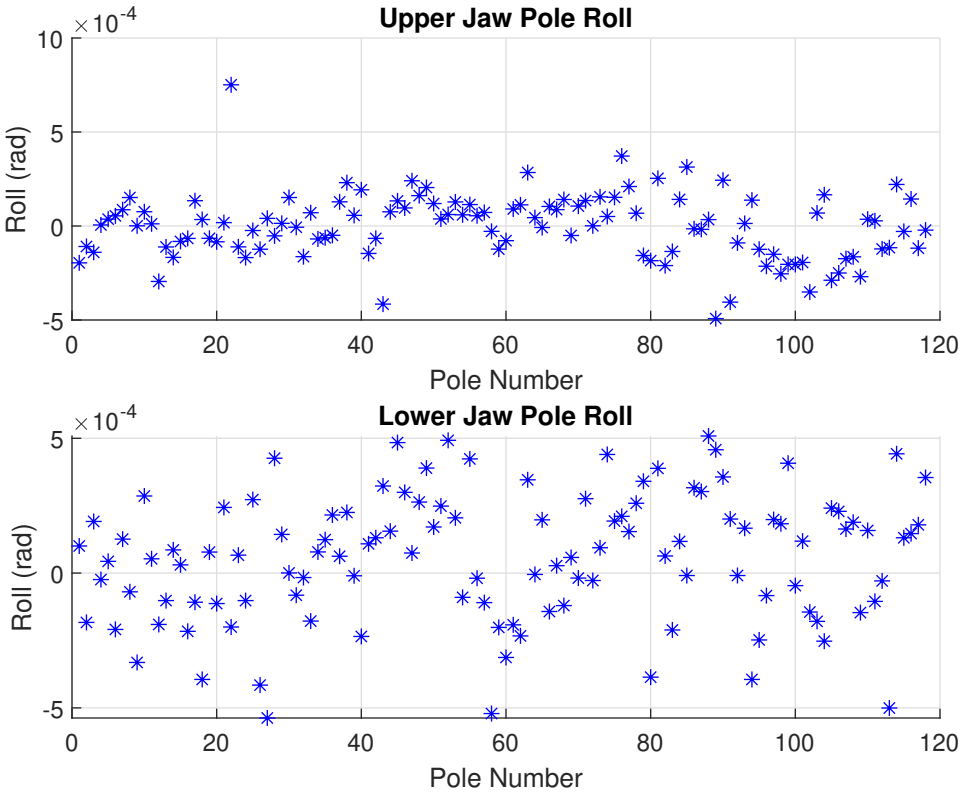

Upper Jaw Pole Y-Positions vs Z
16.6
16.59
16.58
16.57
16.56
Y (mm)
Upper Jaw Pitch = -8.429926e-06 rad
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
-16.42
-16.43
-16.44
-16.45
-16.46
Y (mm)
Lower Jaw Pitch = -6.087672e-06 rad
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

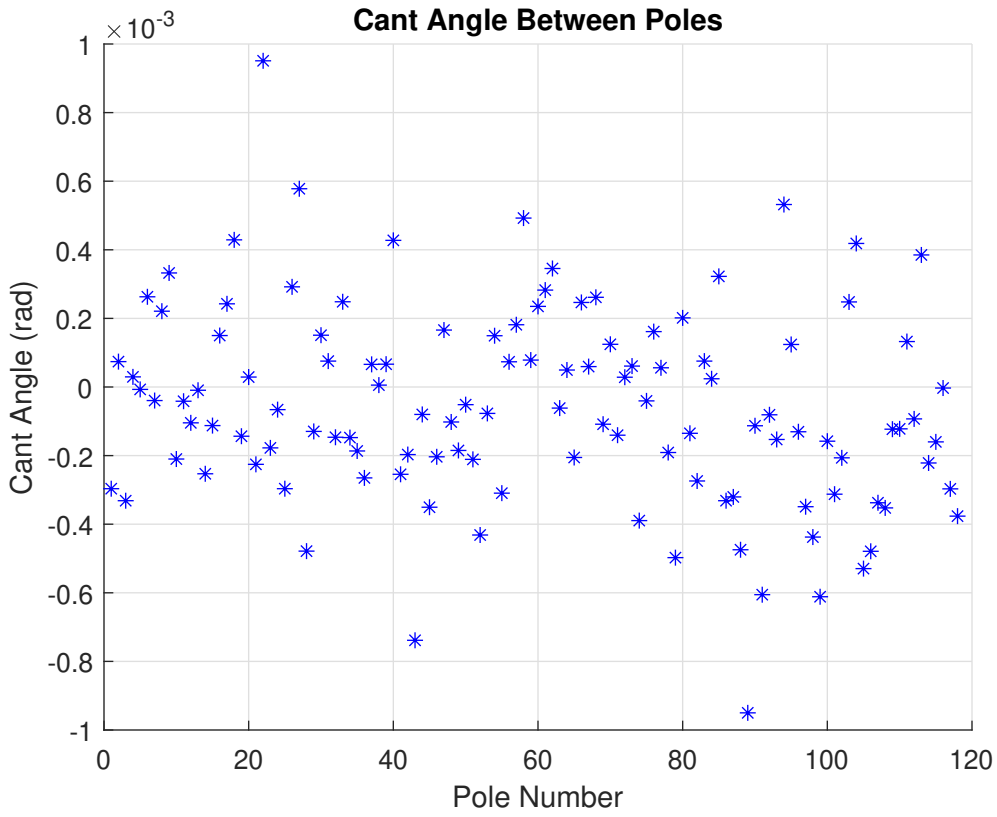

Midplane Height vs Pole Number
Ymid (mm)
Pole Number
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
0
20
40
60
80
100
120


Midplane Height vs Z
Ymid (mm)
Z (mm)
Pitch = -7.258799e-06 rad
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
1000
1500
2000
2500
3000
3500
4000
4500


Gap vs Pole Number
Gap (mm)
Pole Number
33.04
33.035
33.03
33.025
33.02
33.015
33.01
33.005
33
32.995
32.99
0
20
40
60
80
100
120


Gap vs Z
Gap (mm)
Z (mm)
Taper = -2.342254e-06 rad
33.04
33.035
33.03
33.025
33.02
33.015
33.01
33.005
33
32.995
32.99
1000
1500
2000
2500
3000
3500
4000
4500


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