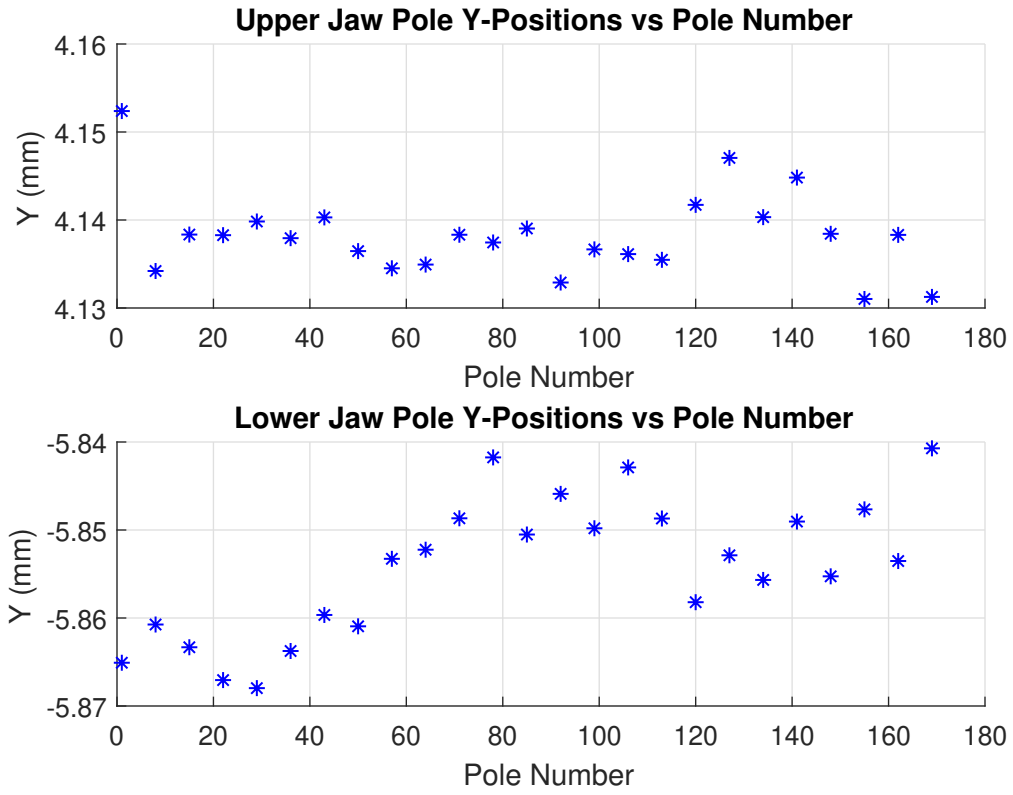
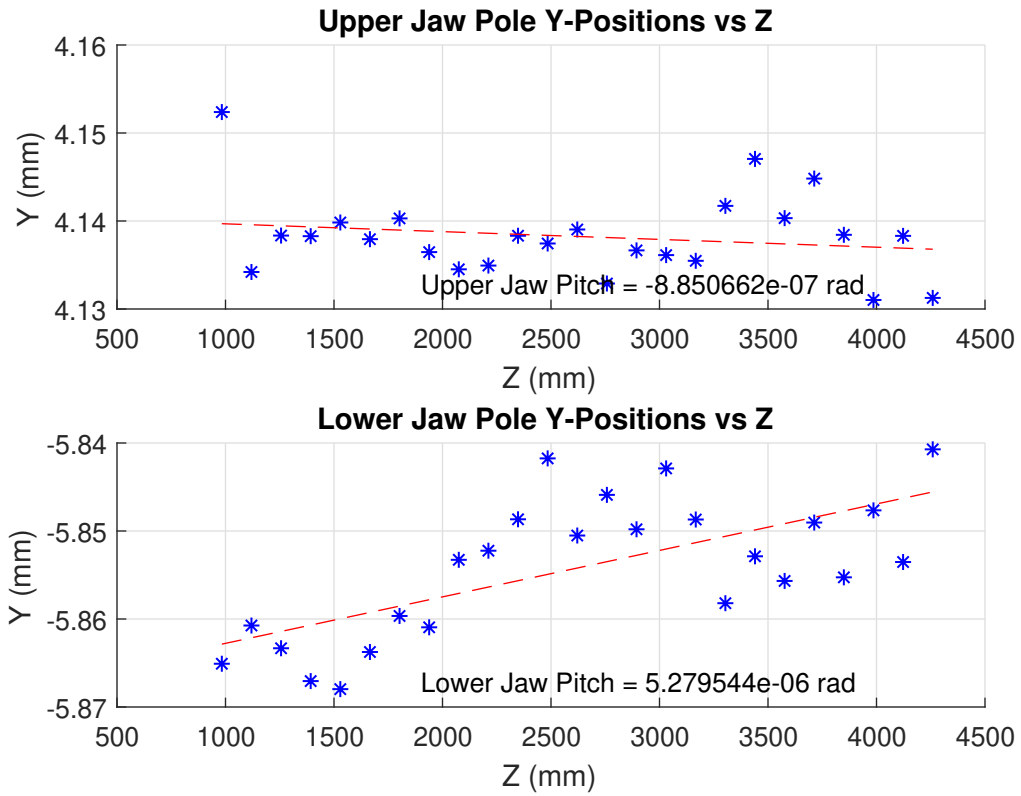
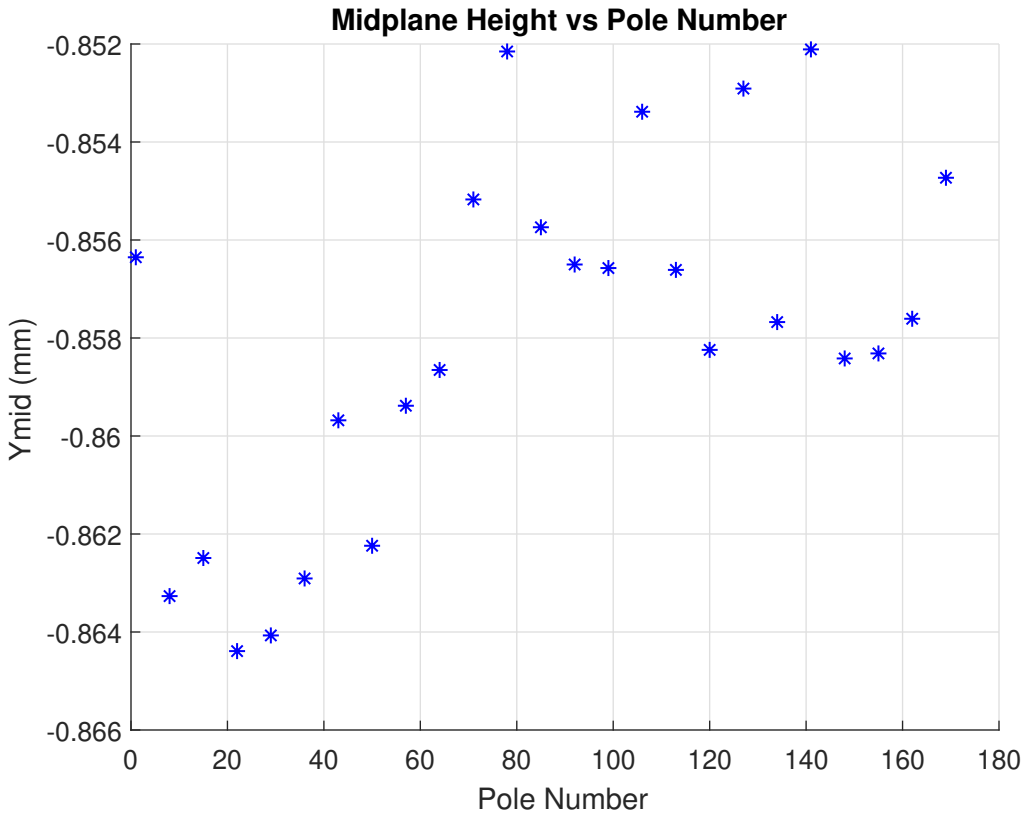
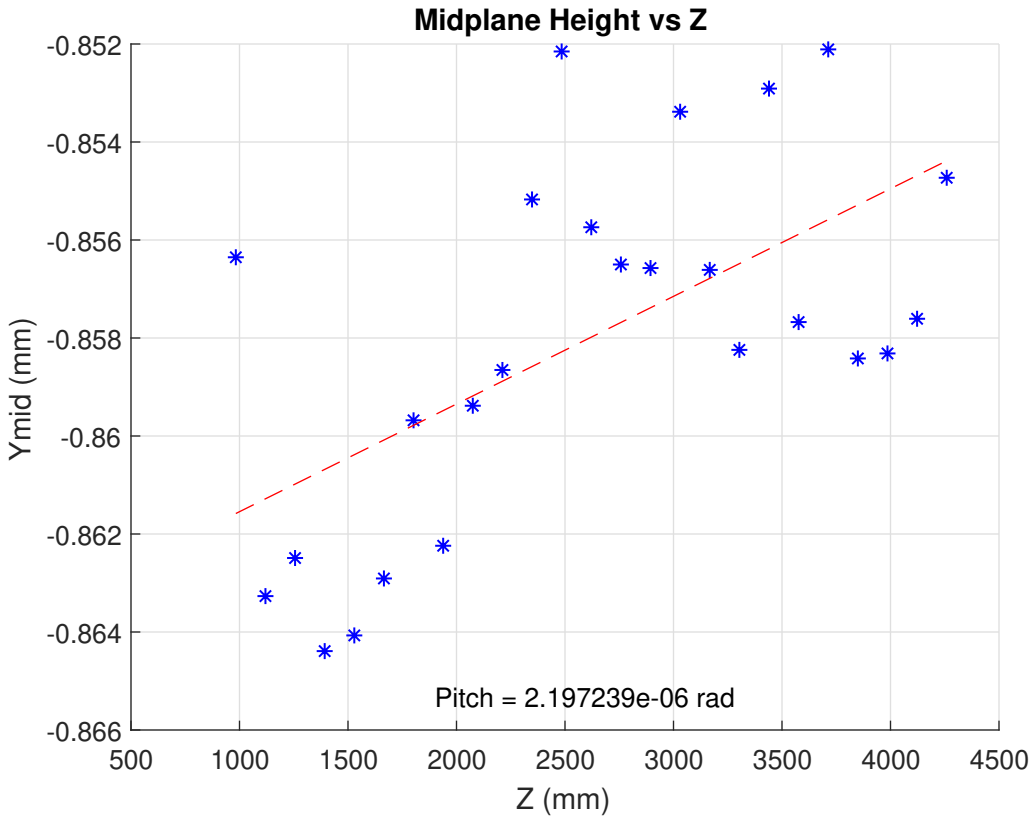
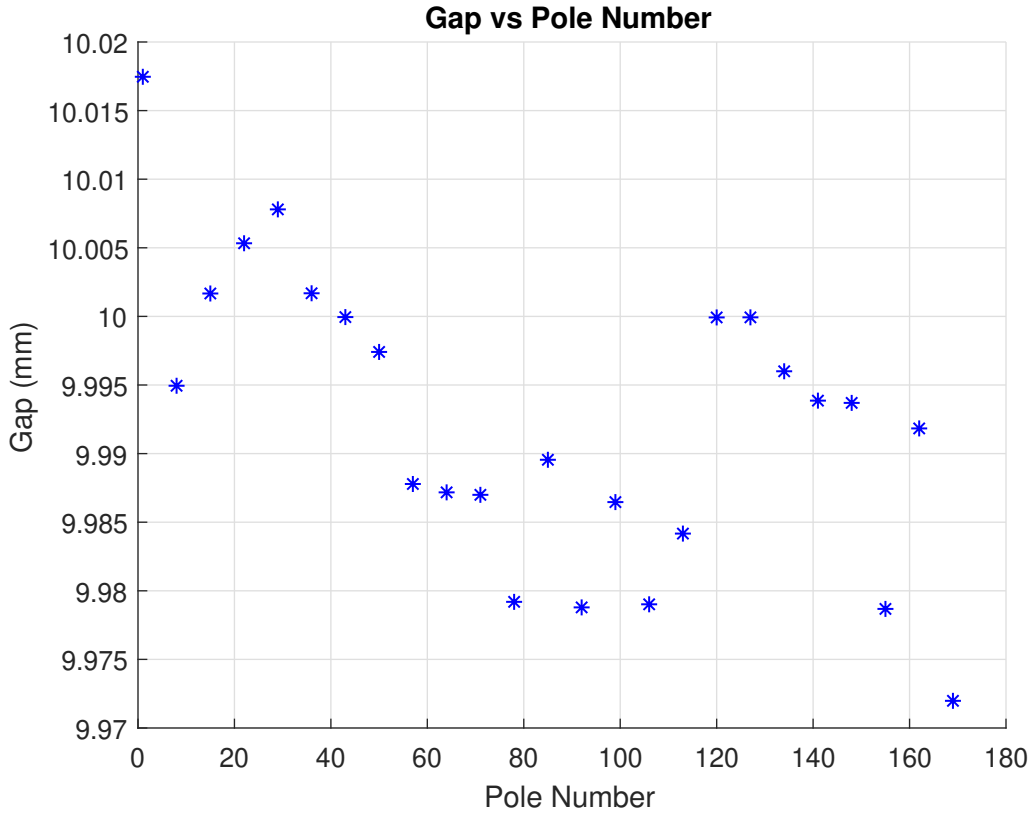
SLAC Magnetic Measurements#
Date: 11-04-2017#
Time: 15:48:21#

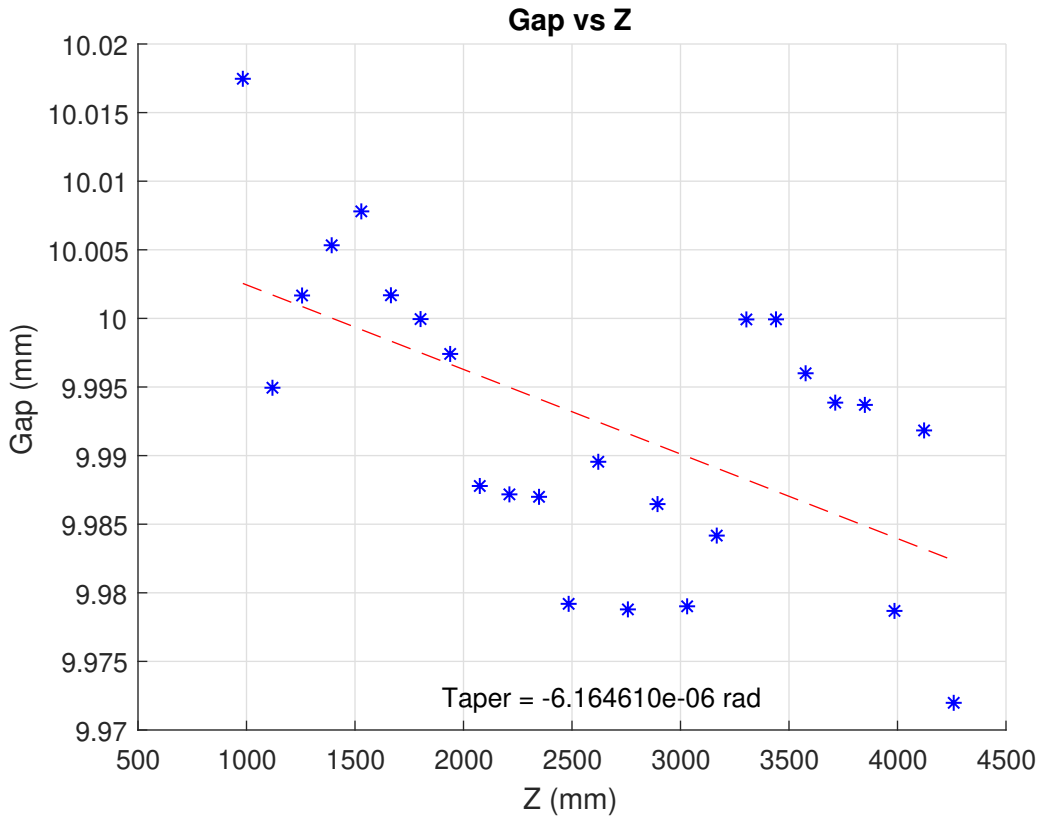

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
4.16
4.15
4.14
4.13
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-5.84
-5.85
-5.86
-5.87
0
20
40
60
80
100
120
140
160
180
Pole Number

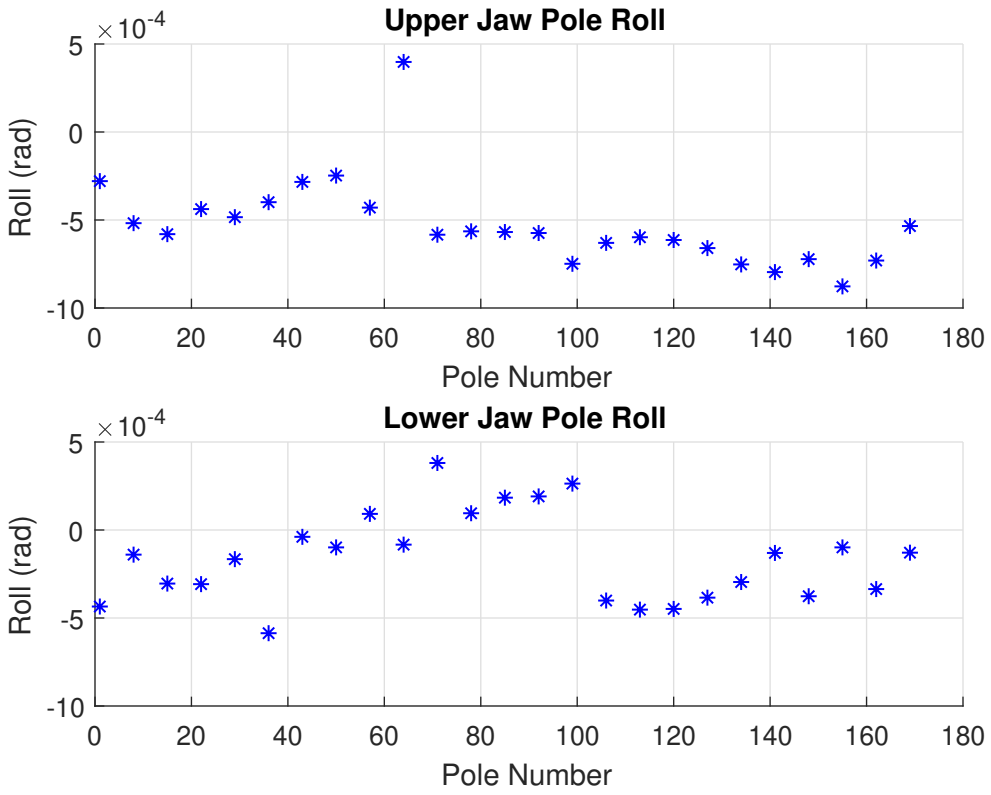

Upper Jaw Pole Y-Positions vs Z
Y (mm)
4.16
4.15
4.14
4.13
Upper Jaw Pitch = -8.850662e-07 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-5.84
-5.85
-5.86
-5.87
Lower Jaw Pitch = 5.279544e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

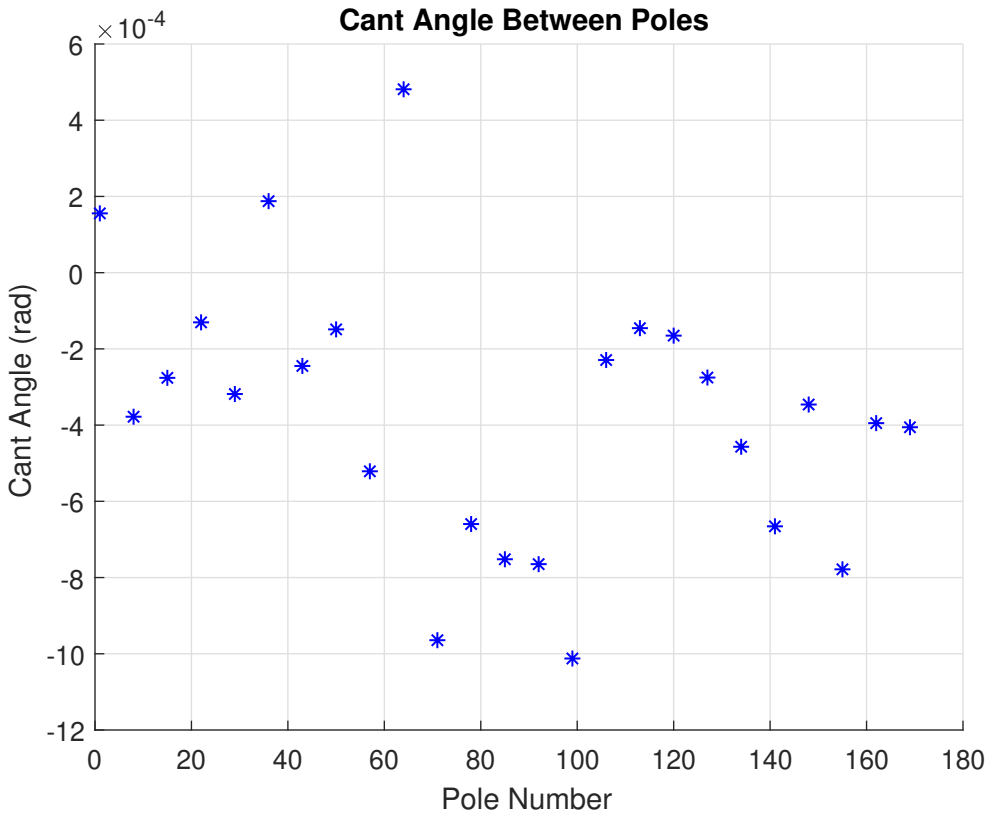

Midplane Height vs Pole Number
Ymid (mm)
-0.852
-0.854
-0.856
-0.858
-0.86
-0.862
-0.864
-0.866
0
20
40
60
80
100
120
140
160
180
Pole Number


Midplane Height vs Z
-0.852
-0.854
-0.856
-0.858
-0.86
-0.862
-0.864
-0.866
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 2.197239e-06 rad


Gap vs Pole Number
Gap (mm)
Pole Number
10.02
10.015
10.01
10.005
10
9.995
9.99
9.985
9.98
9.975
9.97
0
20
40
60
80
100
120
140
160
180


Gap vs Z
Gap (mm)
Z (mm)
Taper = -6.164610e-06 rad
10.02
10.015
10.01
10.005
10
9.995
9.99
9.985
9.98
9.975
9.97
500
1000
1500
2000
2500
3000
3500
4000
4500


Upper Jaw Pole Roll
×10^-4
5
0
-5
-10
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Roll
×10^-4
5
0
-5
-10
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number


Cant Angle Between Poles
×10-4
6
4
2
0
-2
-4
-6
-8
-10
-12
Cant Angle (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number