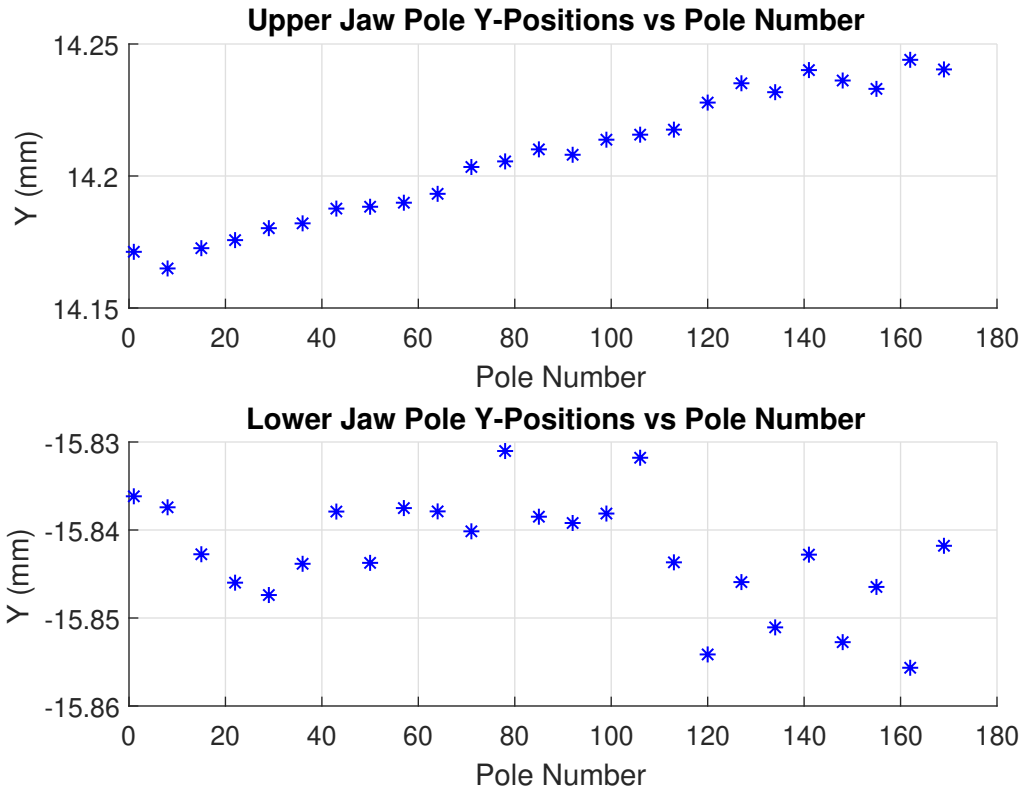
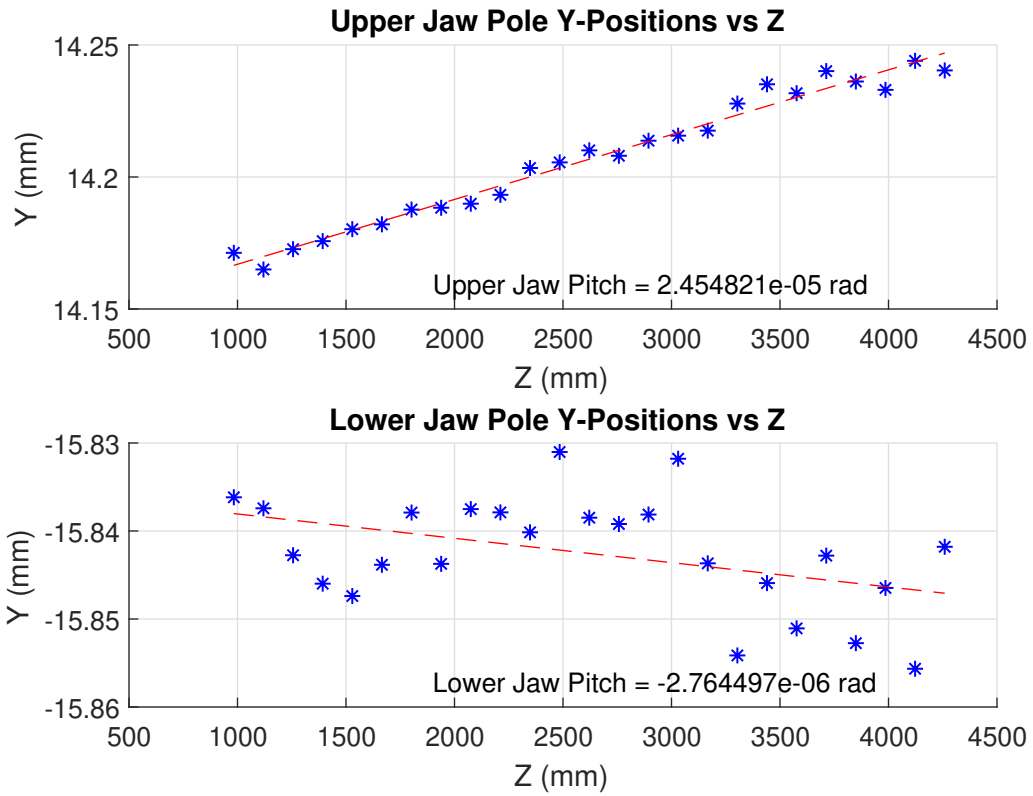
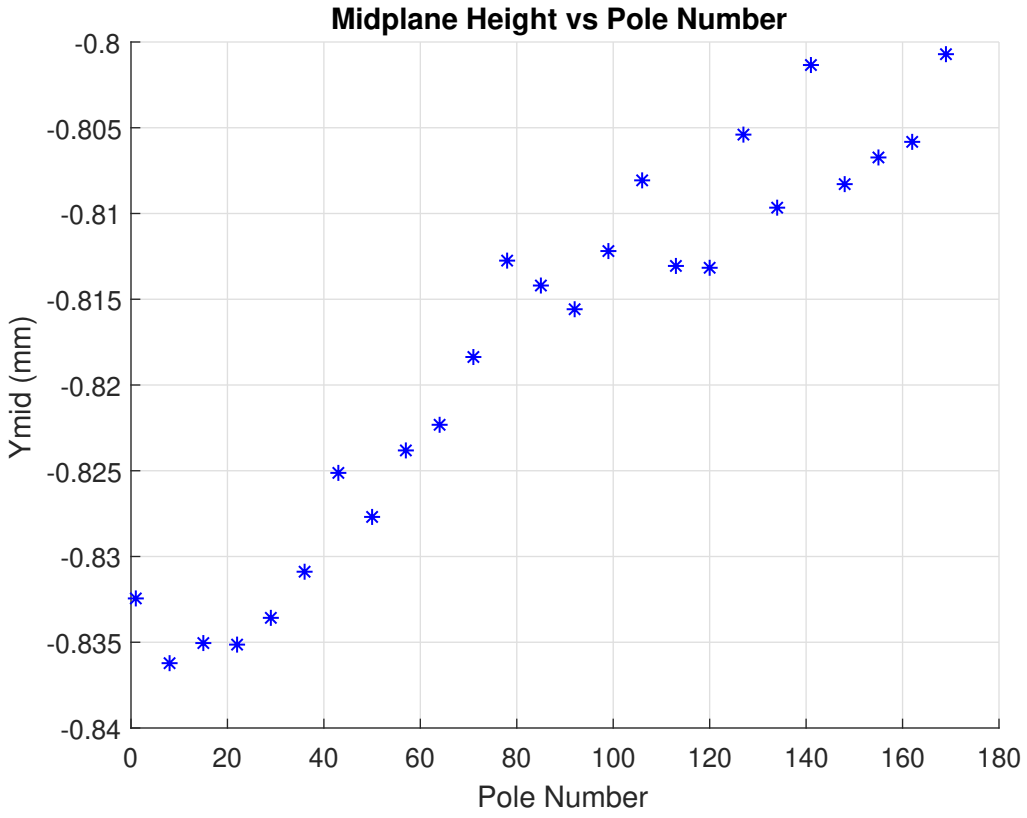
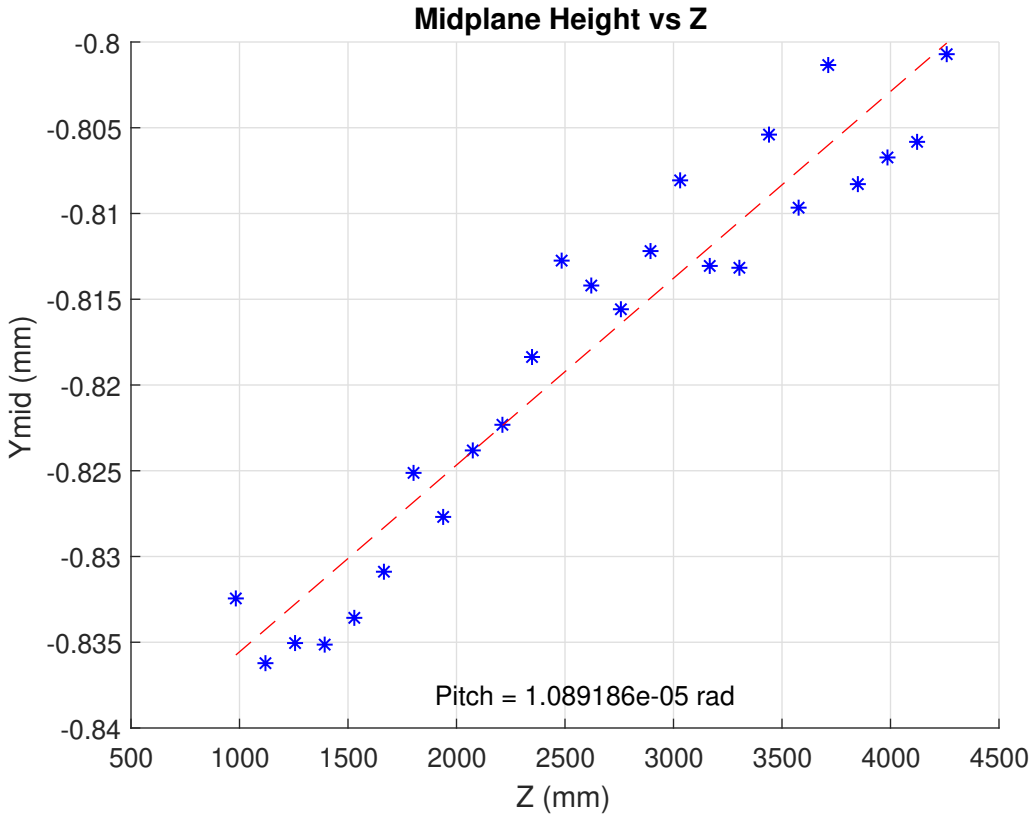
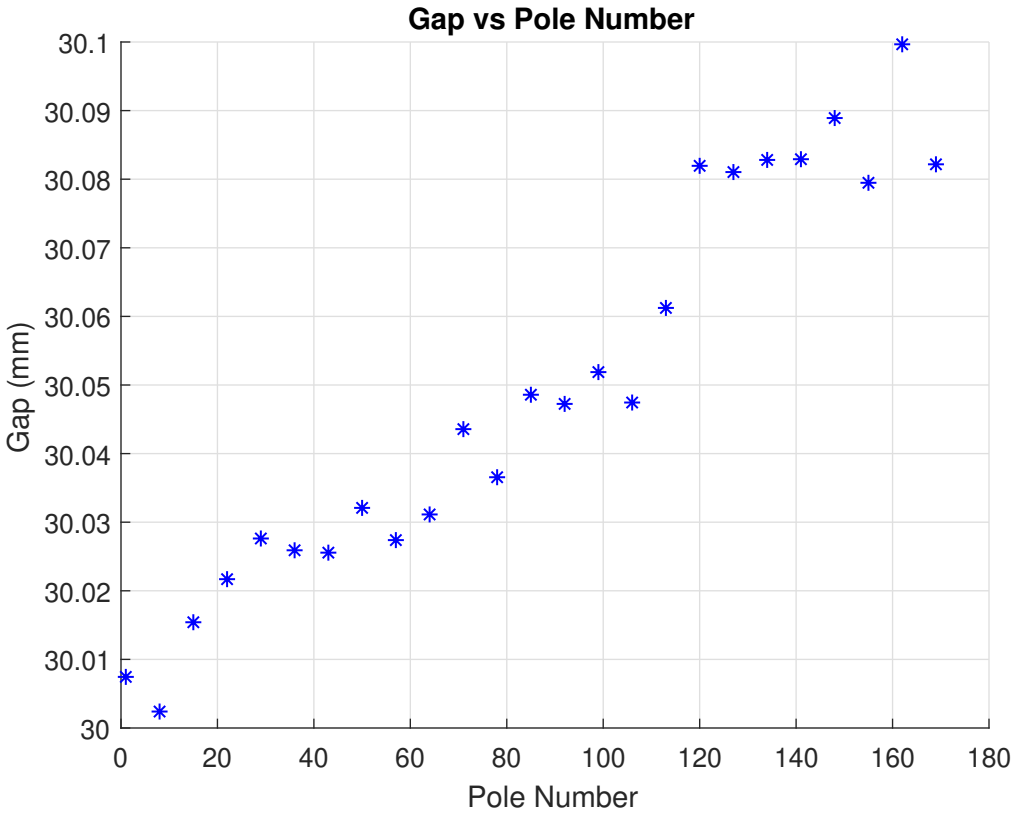
SLAC Magnetic Measurements#
Date: 11-04-2017#
Time: 15:49:04#

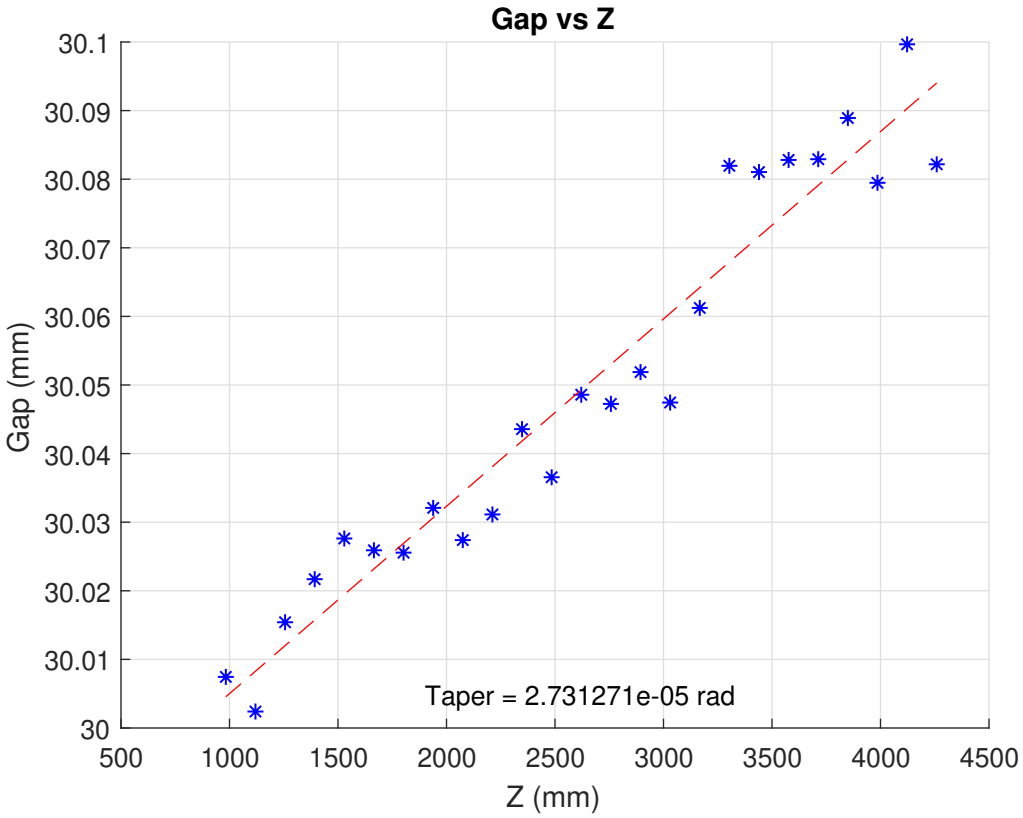

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
14.25
14.2
14.15
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-15.83
-15.84
-15.85
-15.86
0
20
40
60
80
100
120
140
160
180
Pole Number

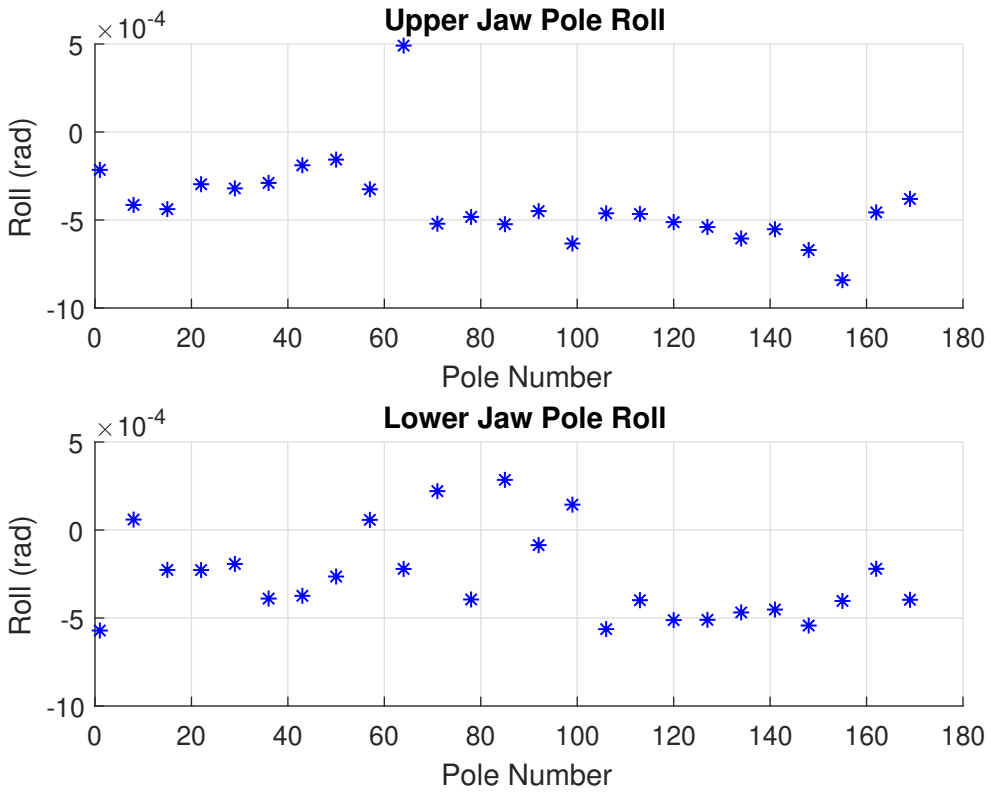

Upper Jaw Pole Y-Positions vs Z
14.25
14.2
14.15
Y (mm)
Upper Jaw Pitch = 2.454821e-05 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
-15.83
-15.84
-15.85
-15.86
Y (mm)
Lower Jaw Pitch = -2.764497e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

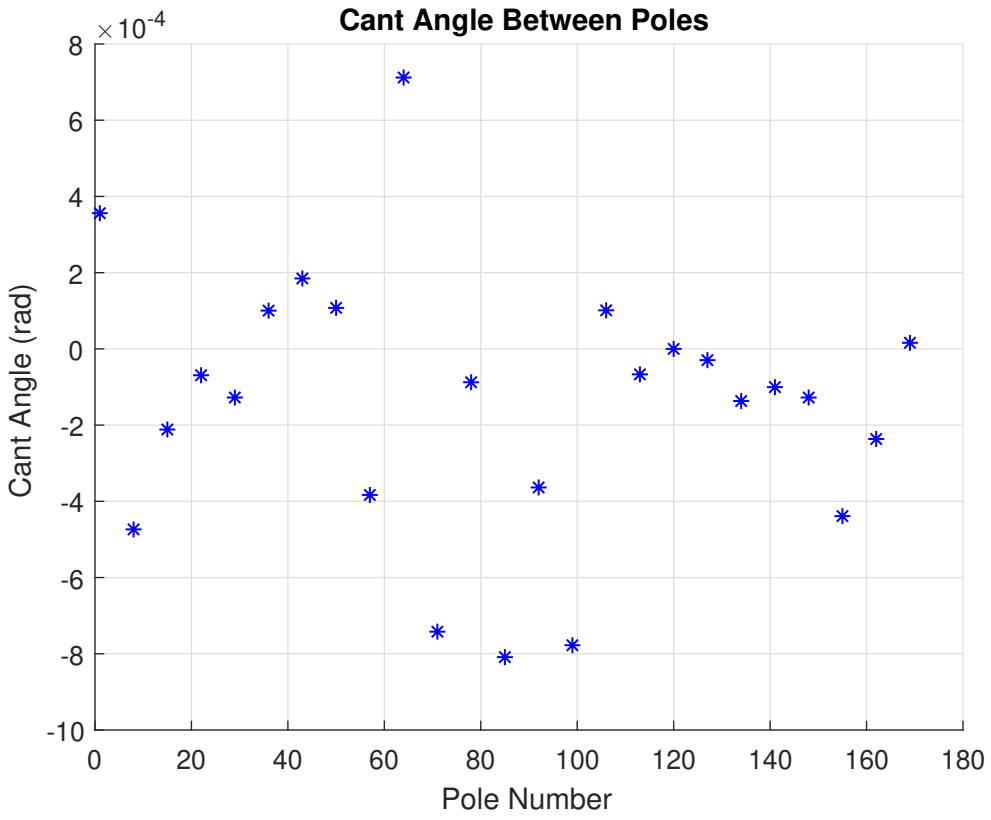

Midplane Height vs Pole Number
Ymid (mm)
-0.8
-0.805
-0.81
-0.815
-0.82
-0.825
-0.83
-0.835
-0.84
0
20
40
60
80
100
120
140
160
180
Pole Number


Midplane Height vs Z
-0.8
-0.805
-0.81
-0.815
-0.82
-0.825
-0.83
-0.835
-0.84
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 1.089186e-05 rad


Gap vs Pole Number
Gap (mm)
Pole Number
30.1
30.09
30.08
30.07
30.06
30.05
30.04
30.03
30.02
30.01
30
0
20
40
60
80
100
120
140
160
180


Gap vs Z
Gap (mm)
Z (mm)
Taper = 2.731271e-05 rad
30.1
30.09
30.08
30.07
30.06
30.05
30.04
30.03
30.02
30.01
30
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
8
6
4
2
0
-2
-4
-6
-8
-10
Cant Angle (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number