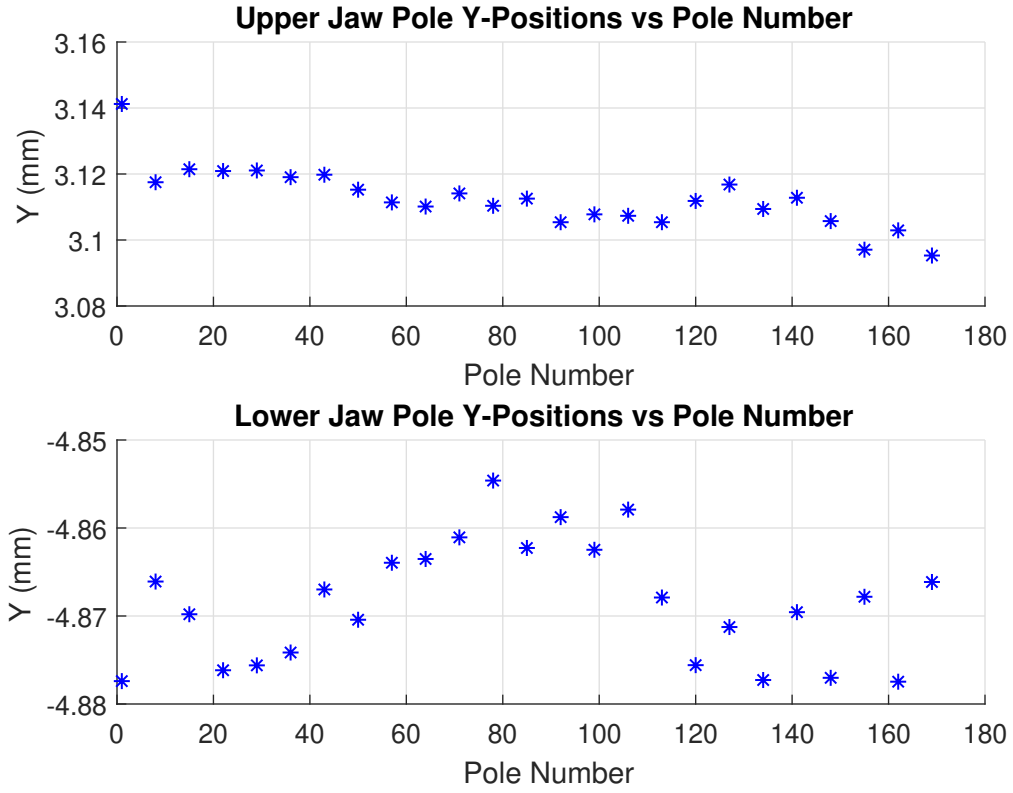
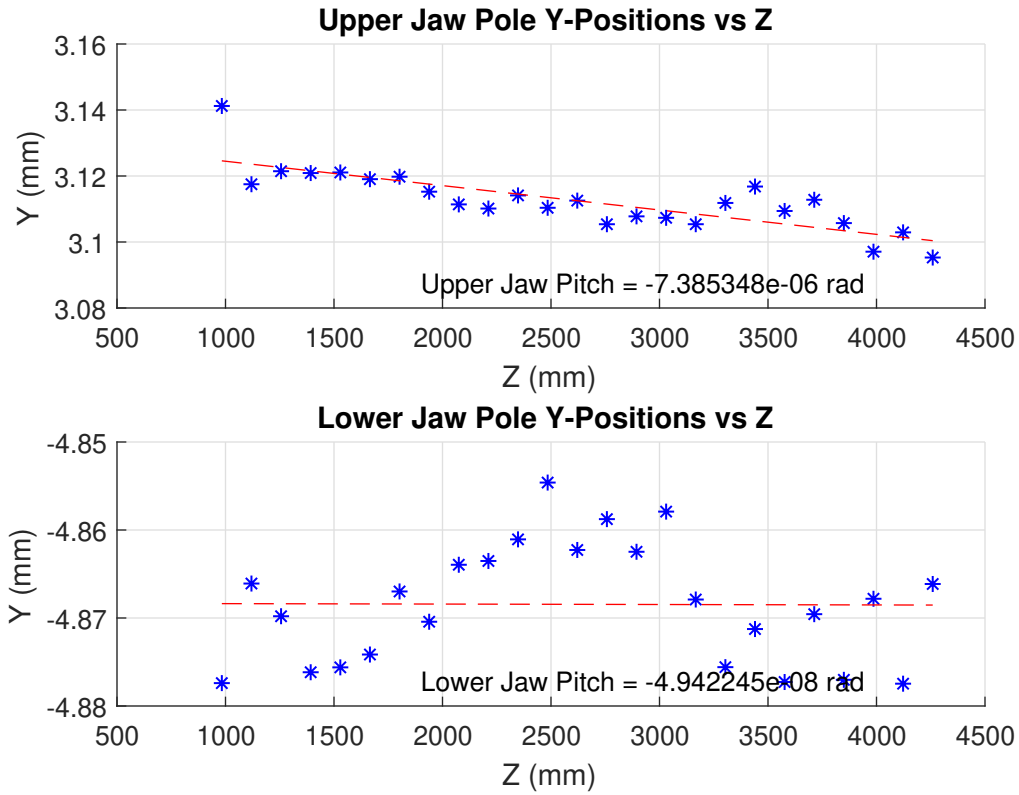
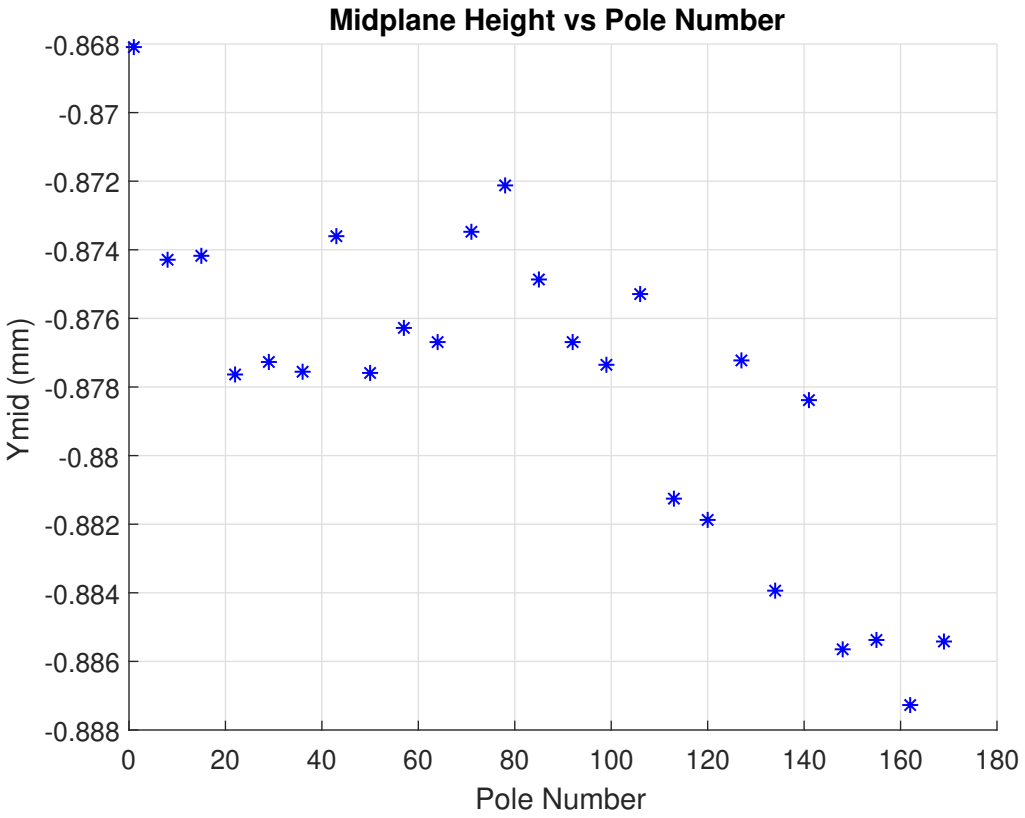
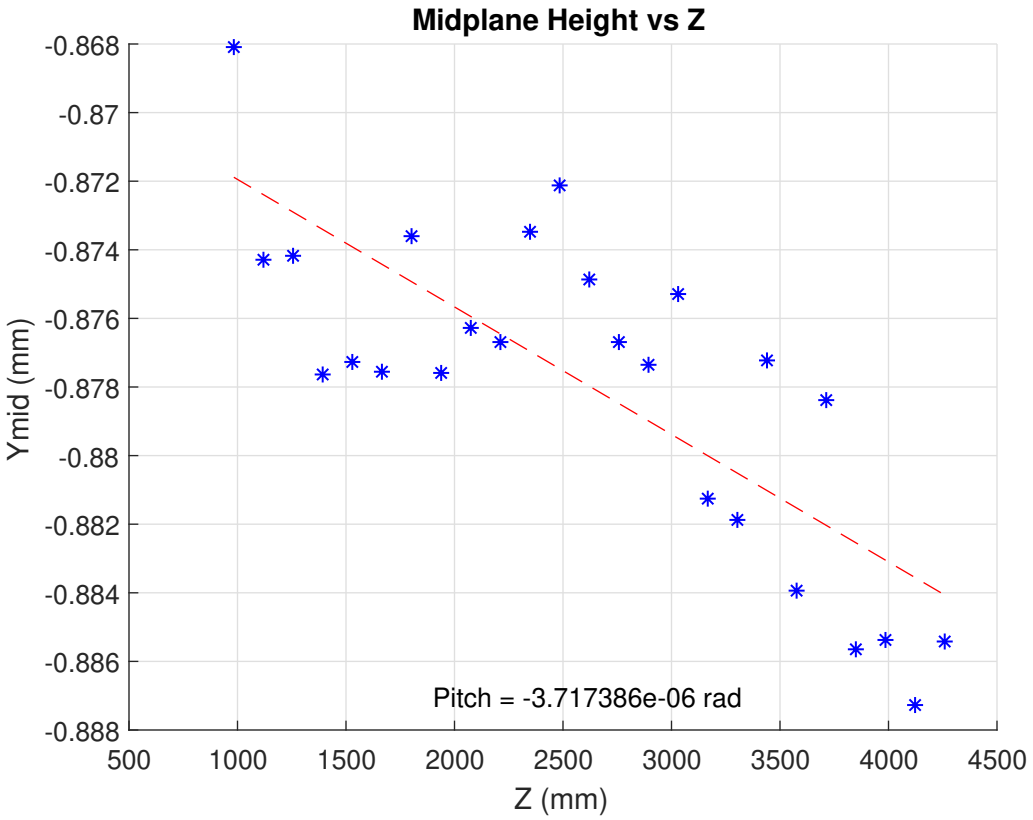
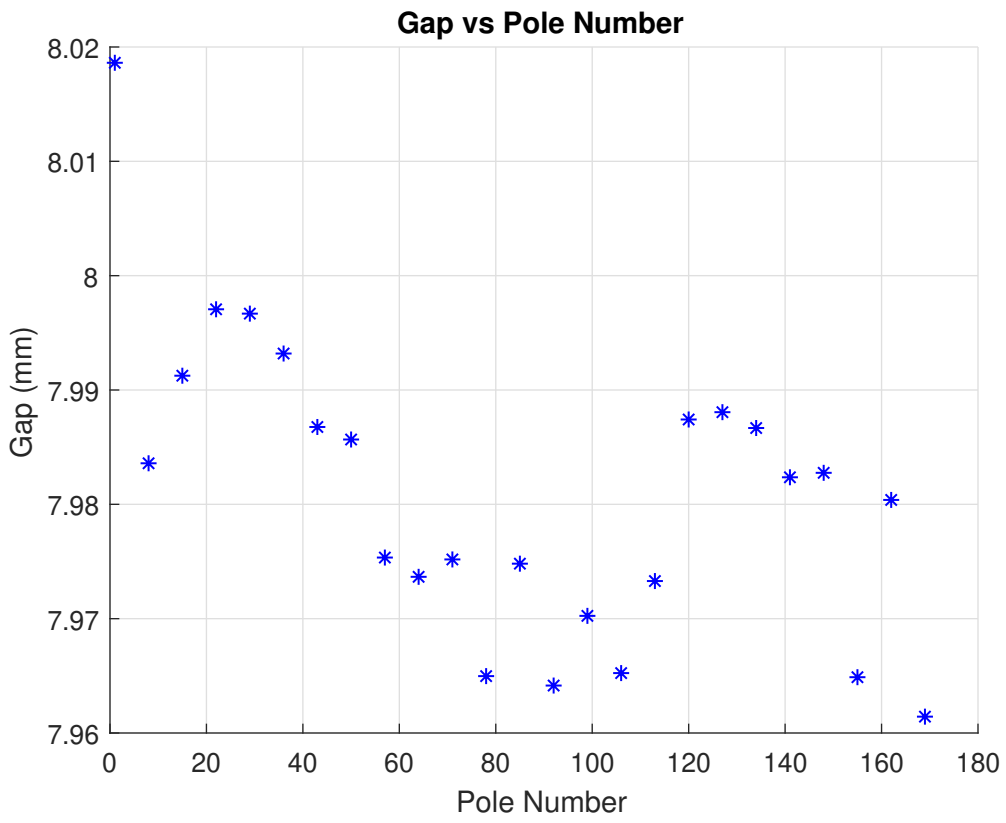
SLAC Magnetic Measurements#
Date: 11-04-2017#
Time: 15:49:21#

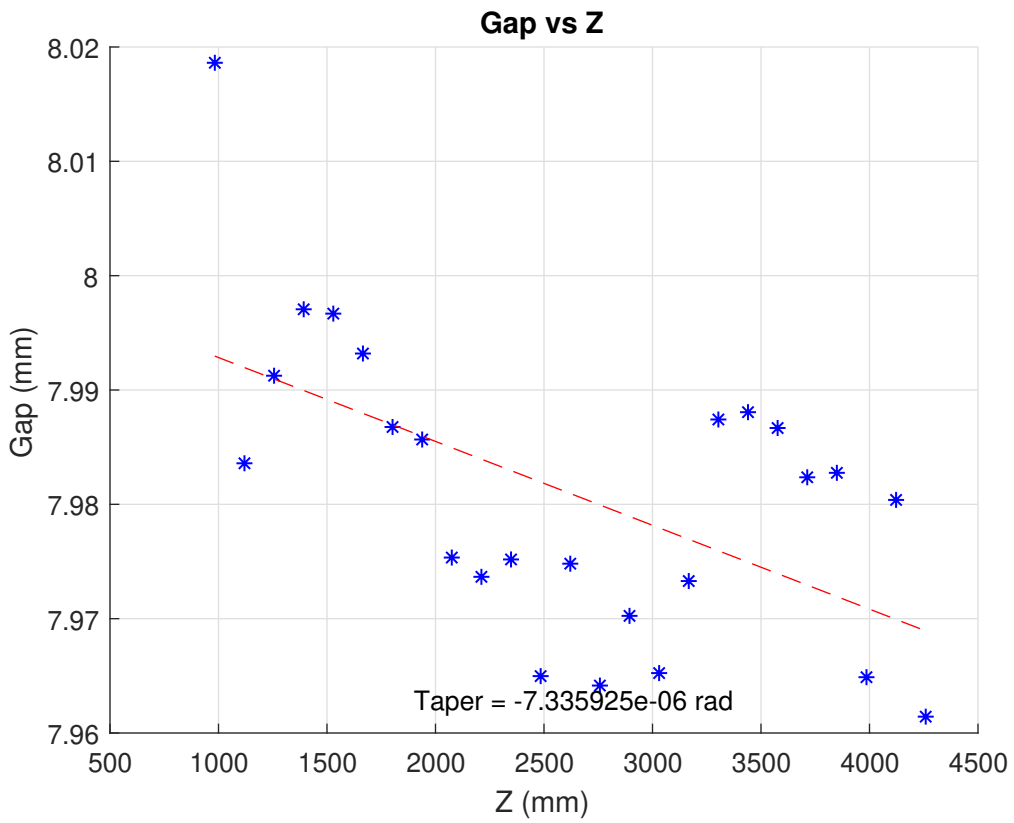

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
3.16
3.14
3.12
3.1
3.08
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-4.85
-4.86
-4.87
-4.88
0
20
40
60
80
100
120
140
160
180
Pole Number

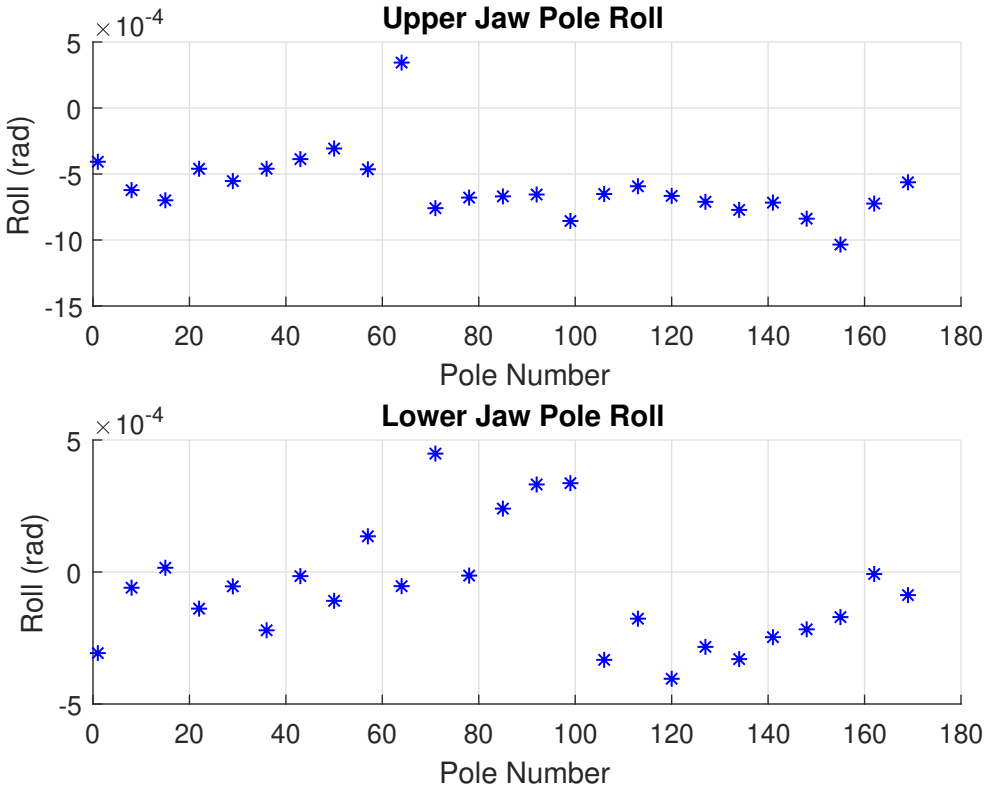

Upper Jaw Pole Y-Positions vs Z
Y (mm)
3.16
3.14
3.12
3.1
3.08
Upper Jaw Pitch = -7.385348e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-4.85
-4.86
-4.87
-4.88
Lower Jaw Pitch = -4.942245e-08 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

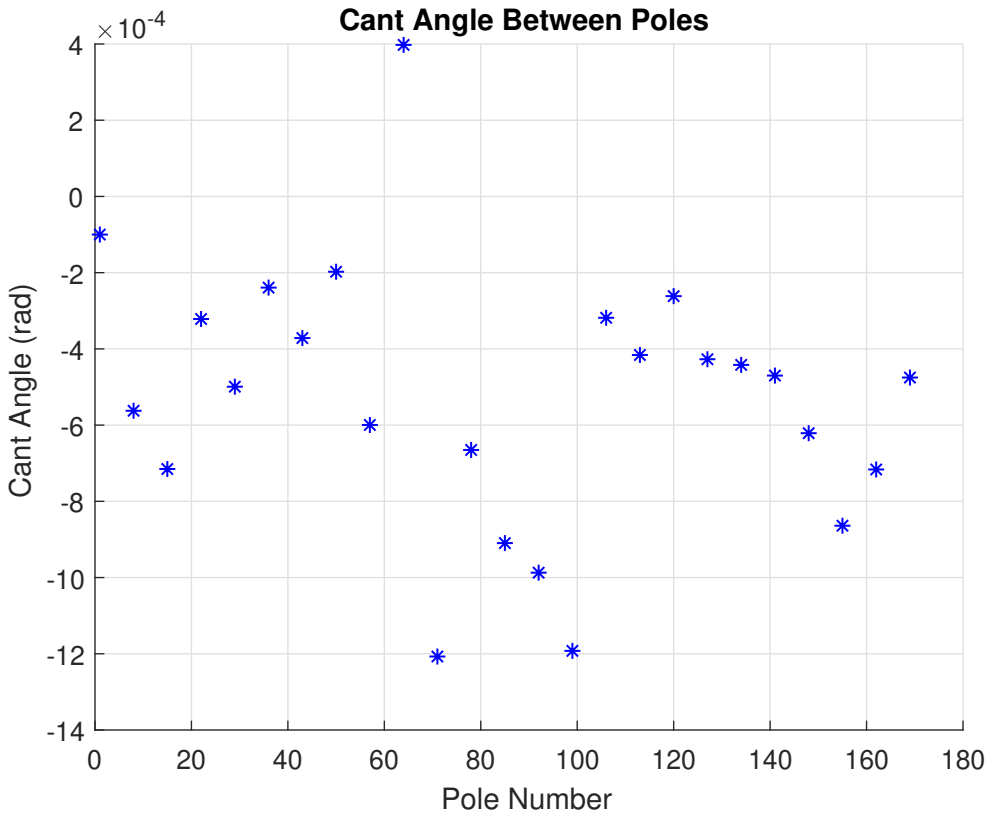

Midplane Height vs Pole Number
Ymid (mm)
-0.868
-0.87
-0.872
-0.874
-0.876
-0.878
-0.88
-0.882
-0.884
-0.886
-0.888
0
20
40
60
80
100
120
140
160
180
Pole Number


Midplane Height vs Z
-0.868
-0.87
-0.872
-0.874
-0.876
-0.878
-0.88
-0.882
-0.884
-0.886
-0.888
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -3.717386e-06 rad


Gap vs Pole Number
Gap (mm)
8.02
8.01
8
7.99
7.98
7.97
7.96
0
20
40
60
80
100
120
140
160
180
Pole Number


Gap vs Z
8.02
8.01
8
7.99
7.98
7.97
7.96
Gap (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = -7.335925e-06 rad


Upper Jaw Pole Roll
×10^-4
5
0
-5
-10
-15
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Roll
×10^-4
5
0
-5
Roll (rad)
0
20
40
60
80
100
120
140
160
180
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
140
160
180
Pole Number