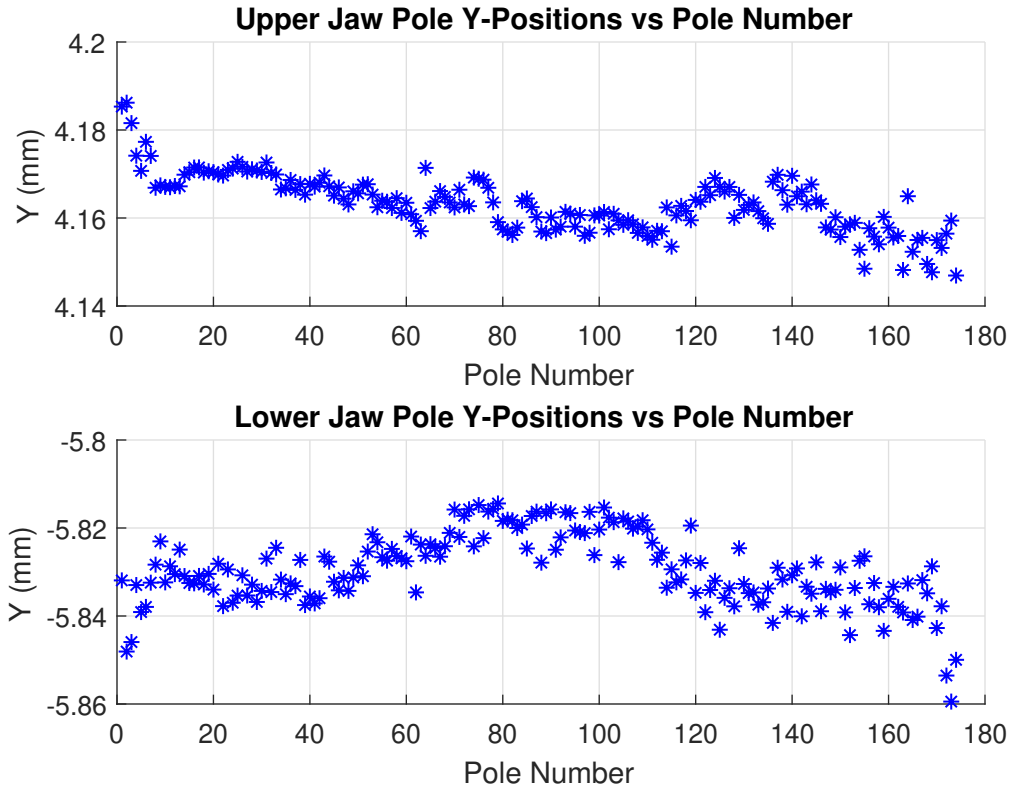
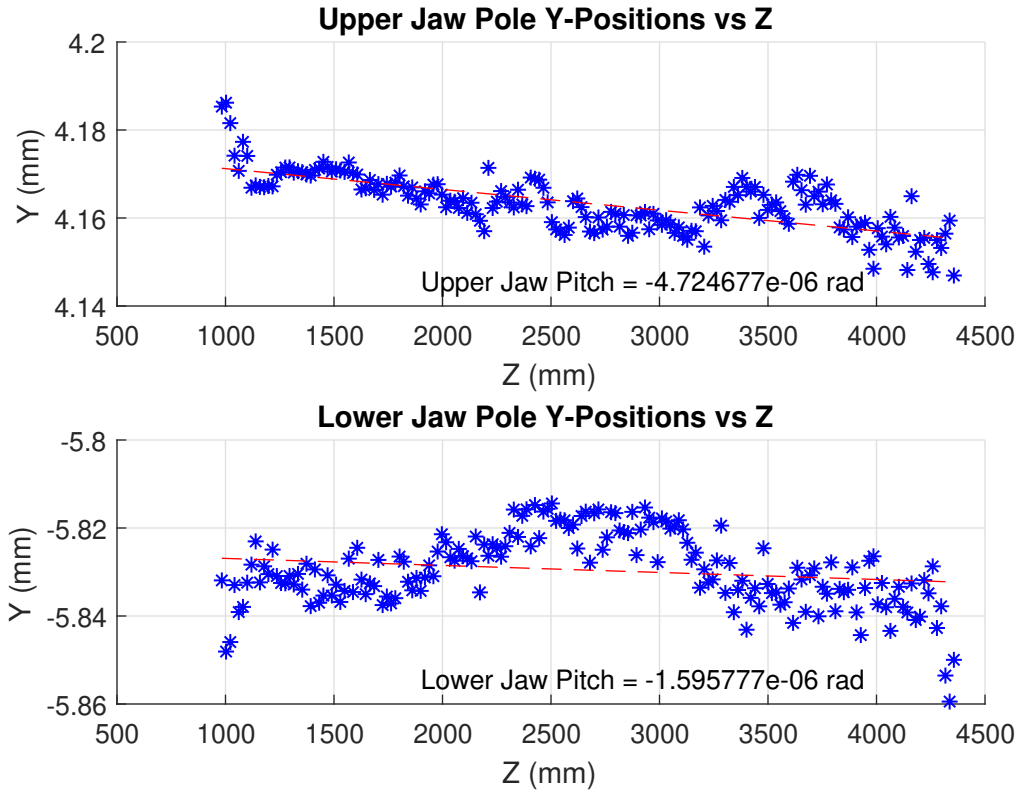
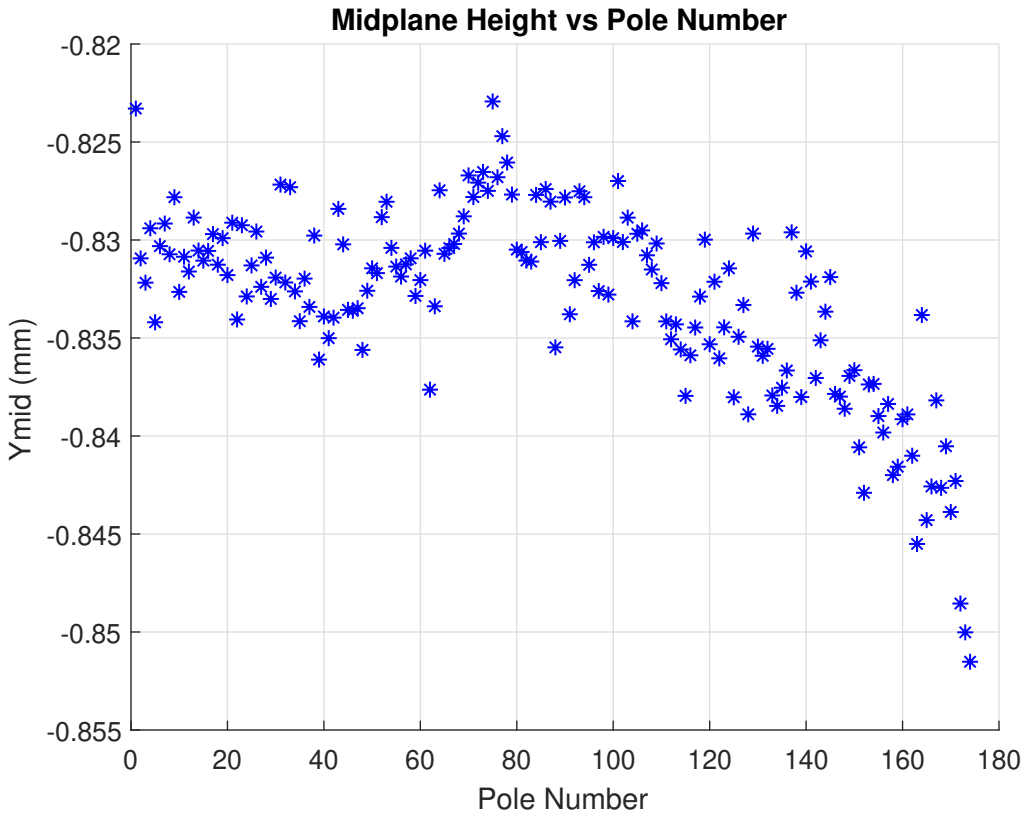
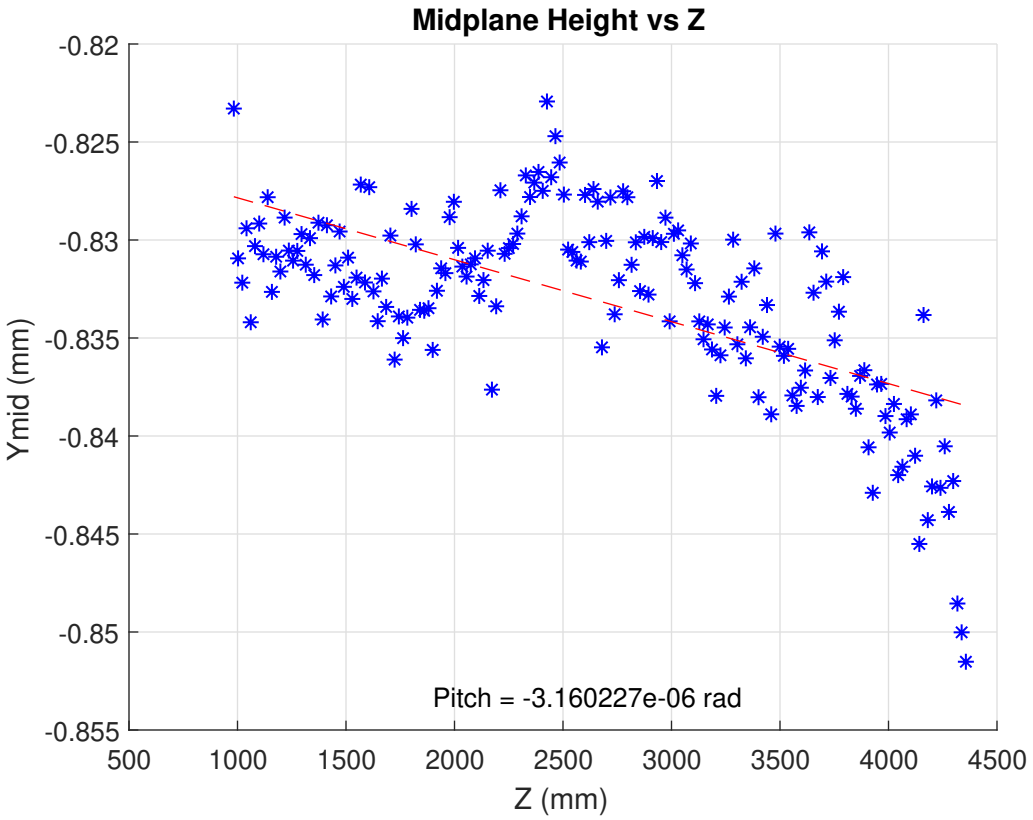
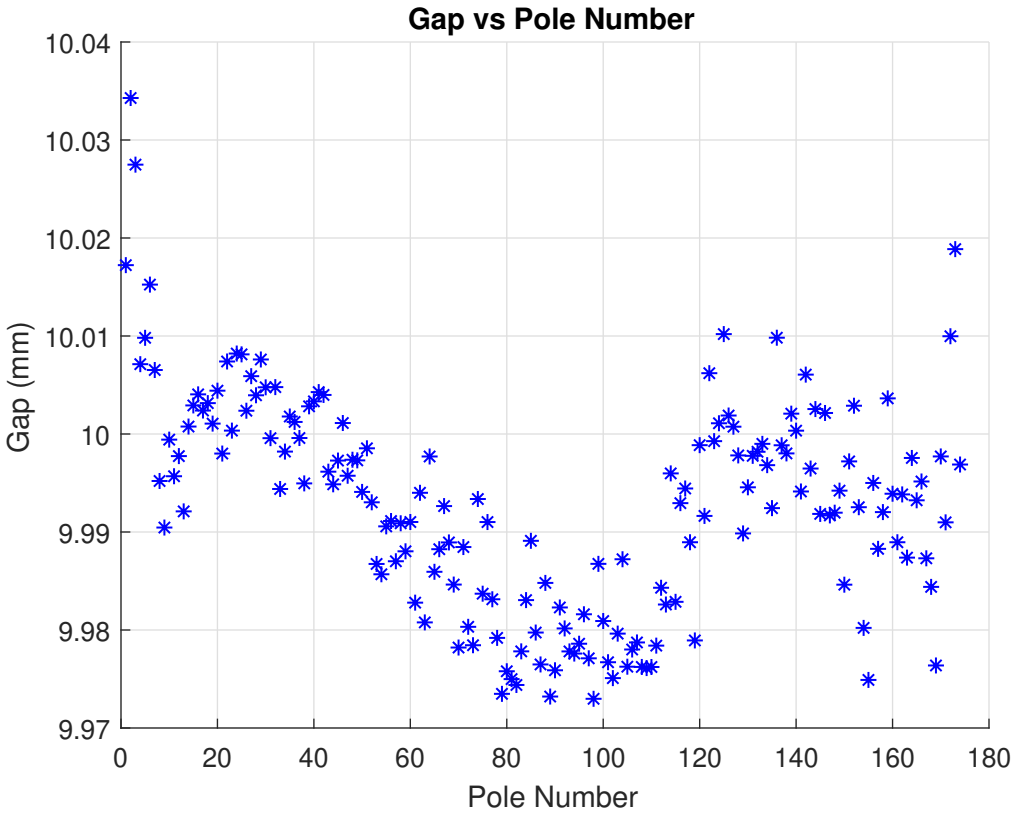
SLAC Magnetic Measurements#
Date: 11-04-2017#
Time: 15:48:30#

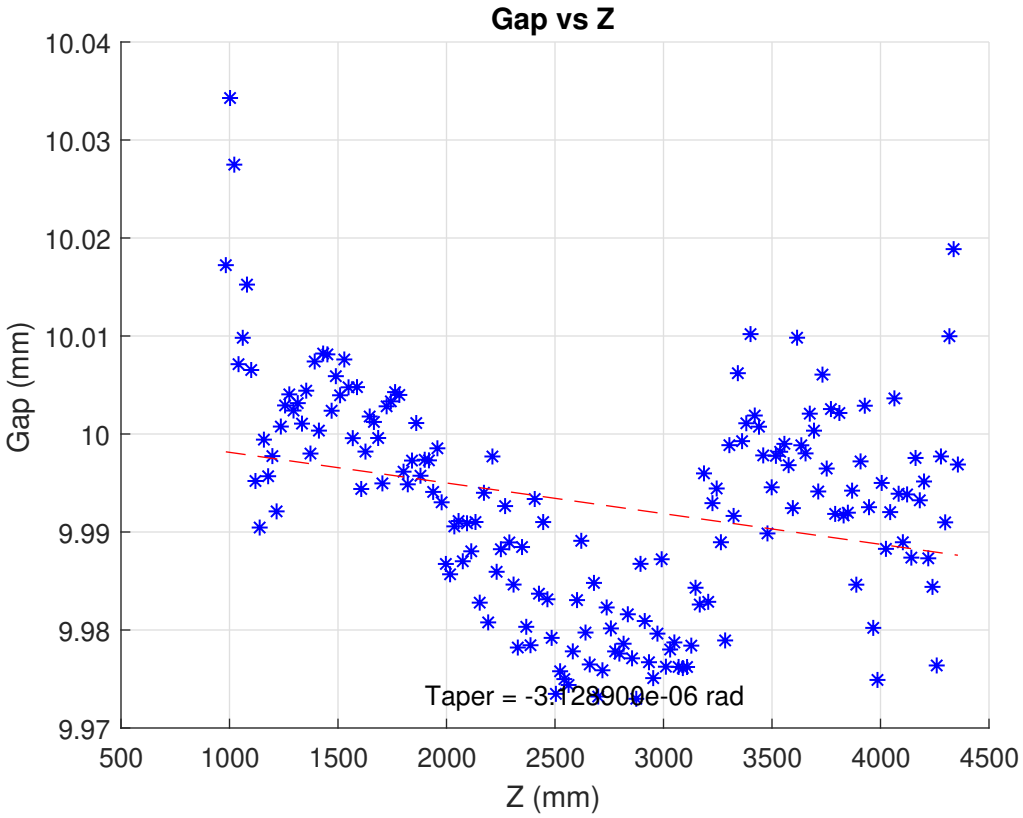

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
4.2
4.18
4.16
4.14
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-5.8
-5.82
-5.84
-5.86
0
20
40
60
80
100
120
140
160
180
Pole Number

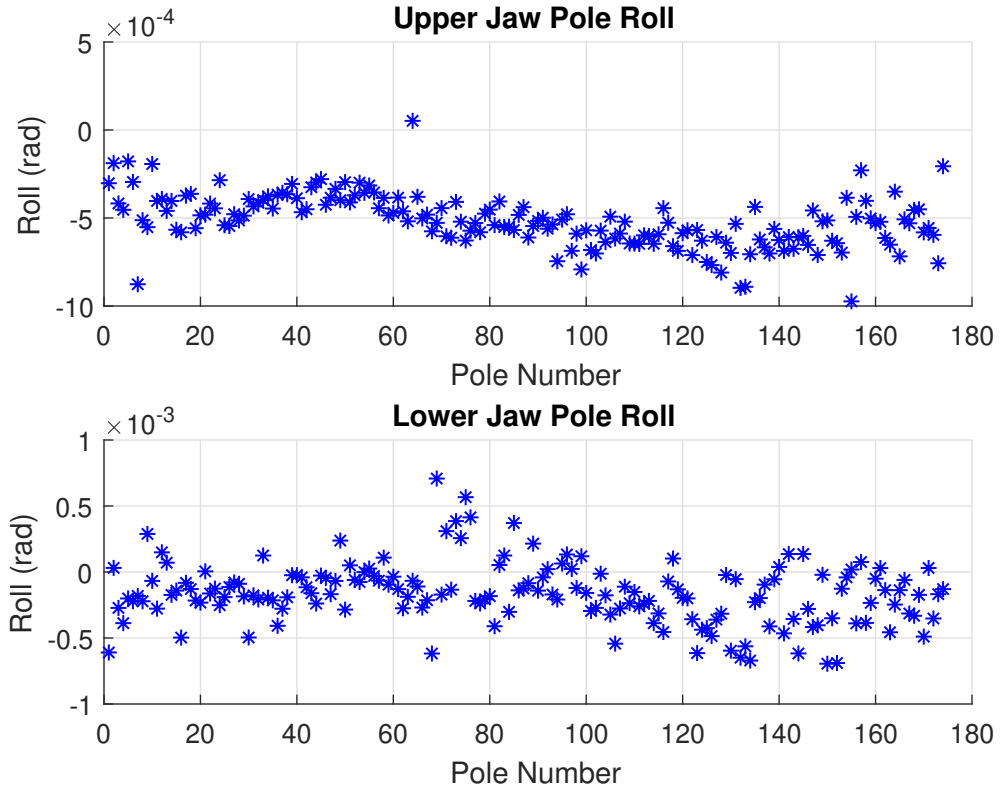

Upper Jaw Pole Y-Positions vs Z
Y (mm)
4.2
4.18
4.16
4.14
Upper Jaw Pitch = -4.724677e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-5.8
-5.82
-5.84
-5.86
Lower Jaw Pitch = -1.595777e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

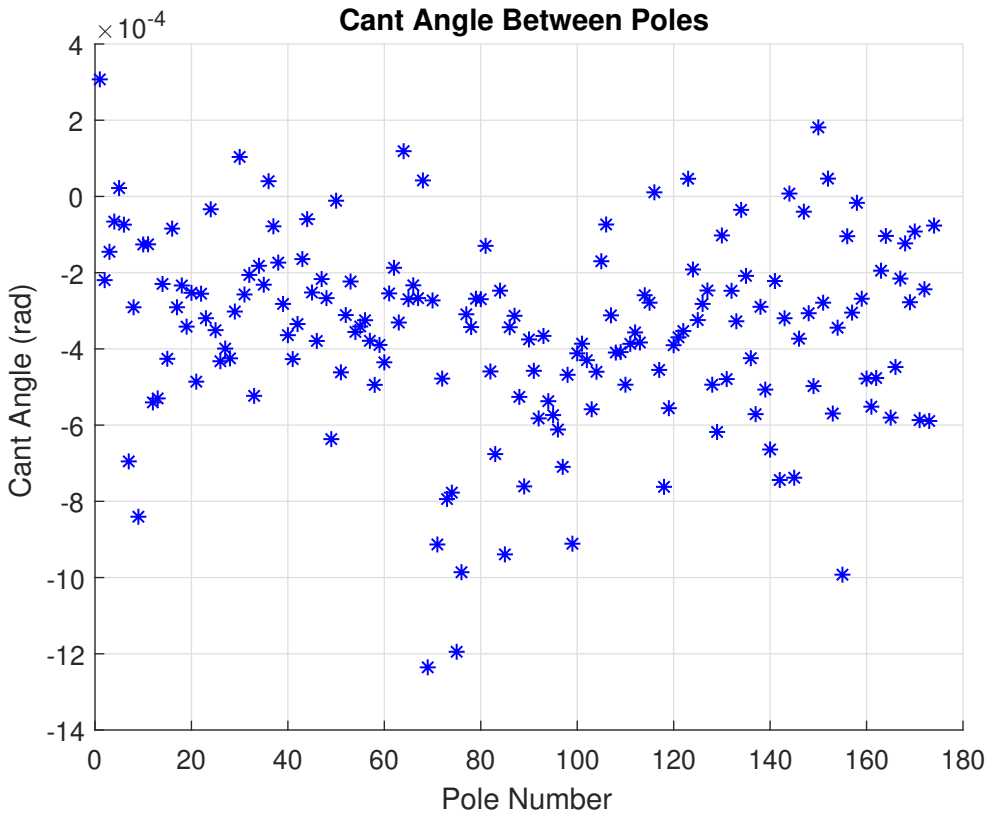

Midplane Height vs Pole Number
Ymid (mm)
-0.82
-0.825
-0.83
-0.835
-0.84
-0.845
-0.85
-0.855
0
20
40
60
80
100
120
140
160
180
Pole Number


Midplane Height vs Z
-0.82
-0.825
-0.83
-0.835
-0.84
-0.845
-0.85
-0.855
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -3.160227e-06 rad


Gap vs Pole Number
Gap (mm)
Pole Number
10.04
10.03
10.02
10.01
10
9.99
9.98
9.97
0
20
40
60
80
100
120
140
160
180


Gap vs Z
Gap (mm)
Z (mm)
10.04
10.03
10.02
10.01
10
9.99
9.98
9.97
500
1000
1500
2000
2500
3000
3500
4000
4500
Taper = -3.128904e-06 rad


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^-3
1
0.5
0
-0.5
-1
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