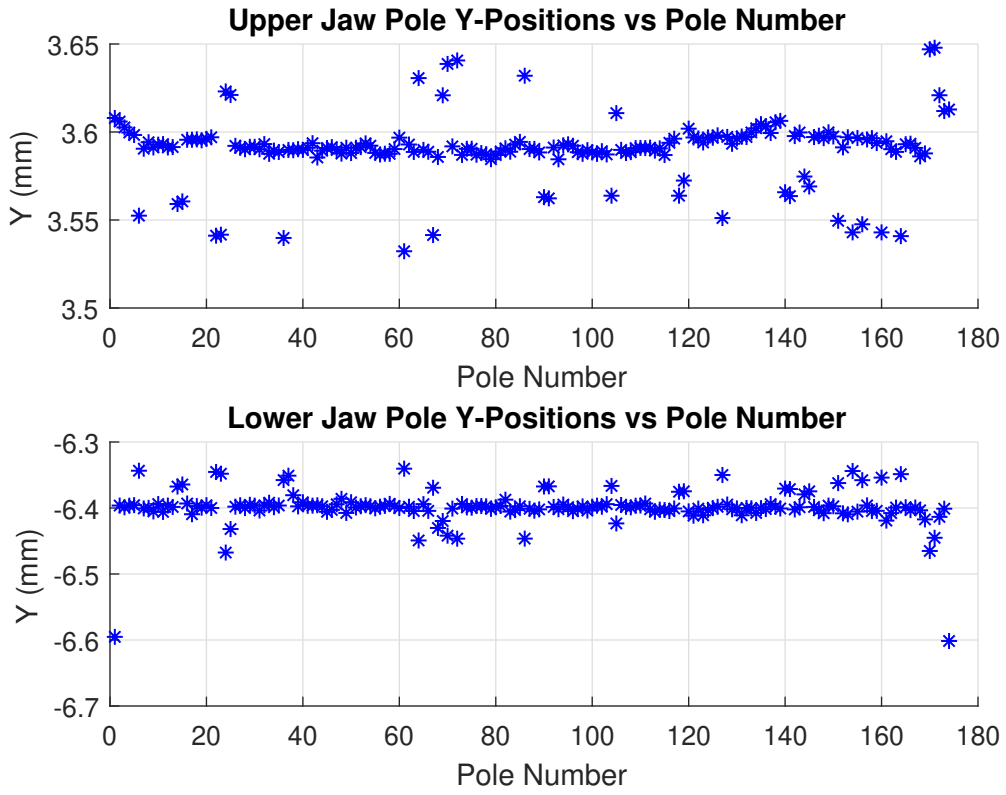
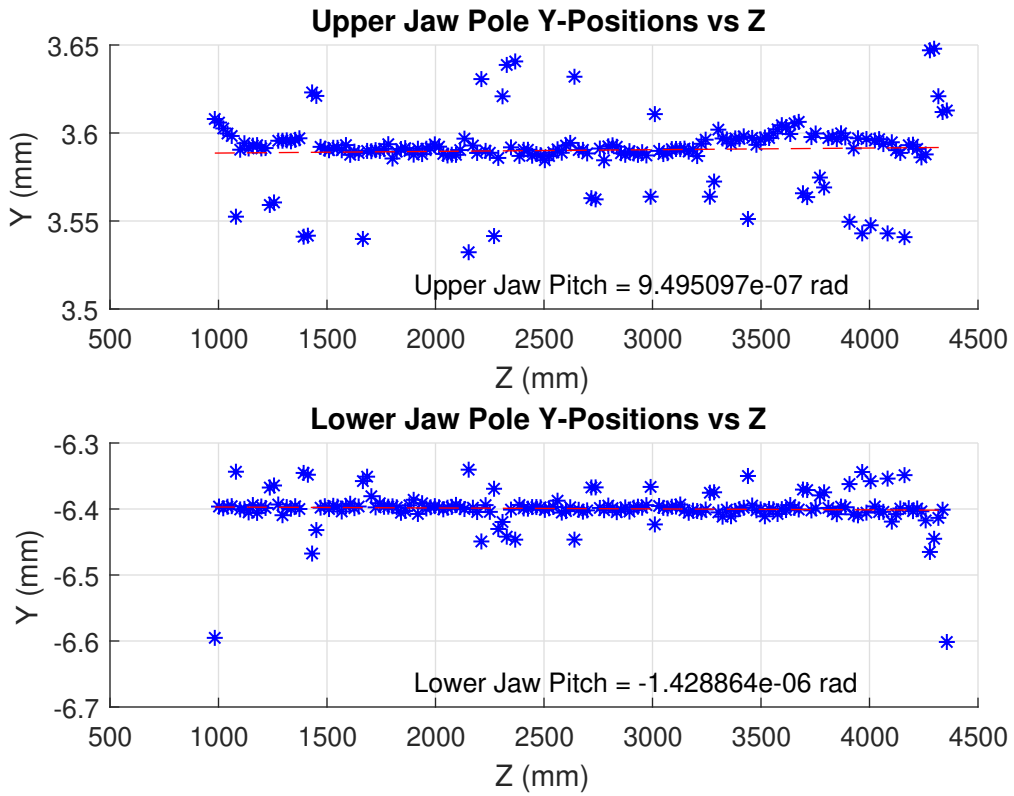
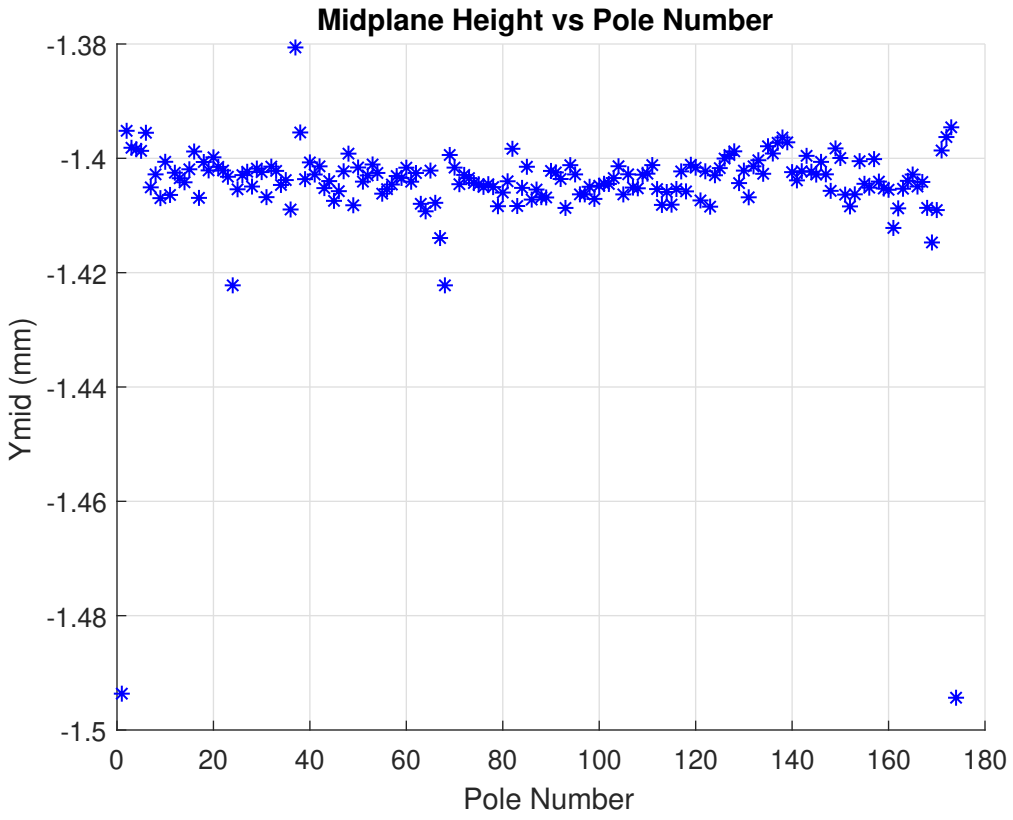
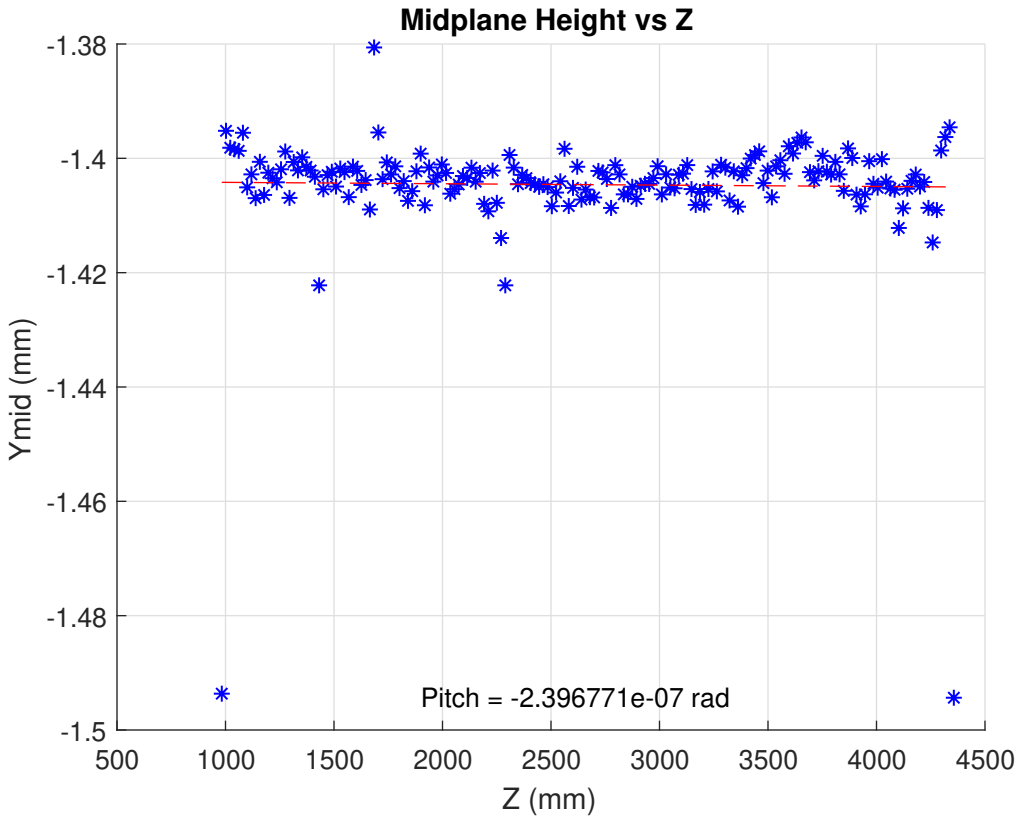
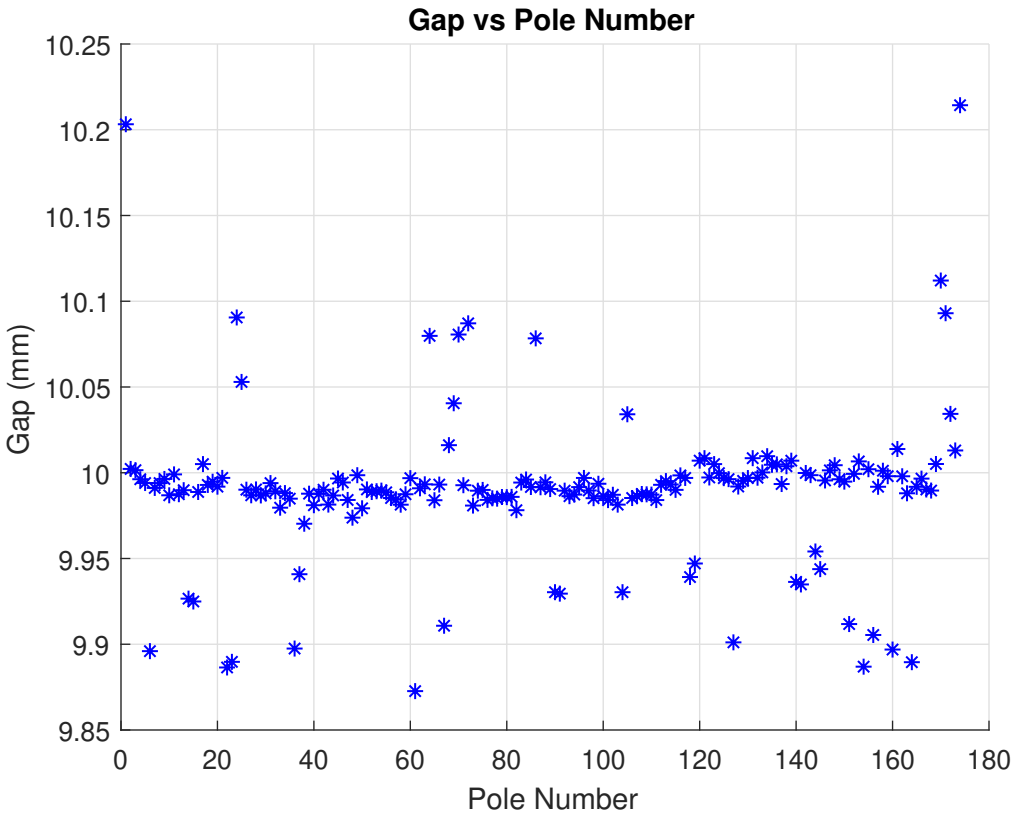
SLAC Magnetic Measurements#
Date: 11-04-2017#
Time: 15:30:25#

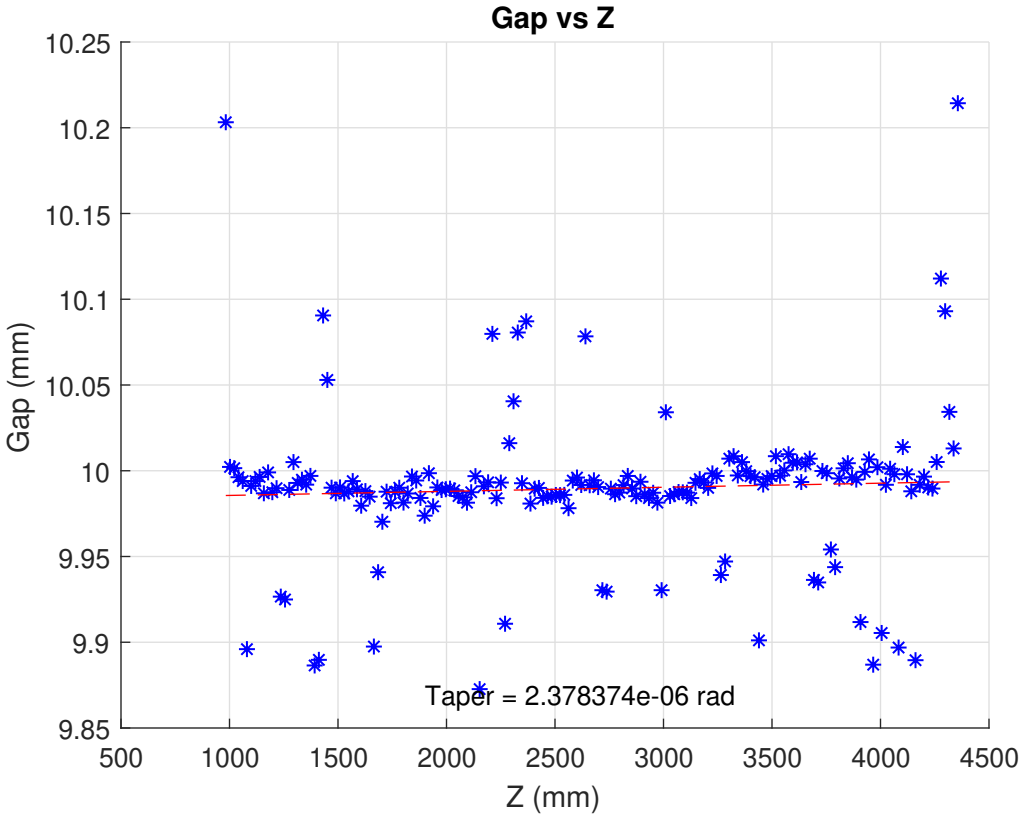

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
3.65
3.6
3.55
3.5
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-6.3
-6.4
-6.5
-6.6
-6.7
0
20
40
60
80
100
120
140
160
180
Pole Number

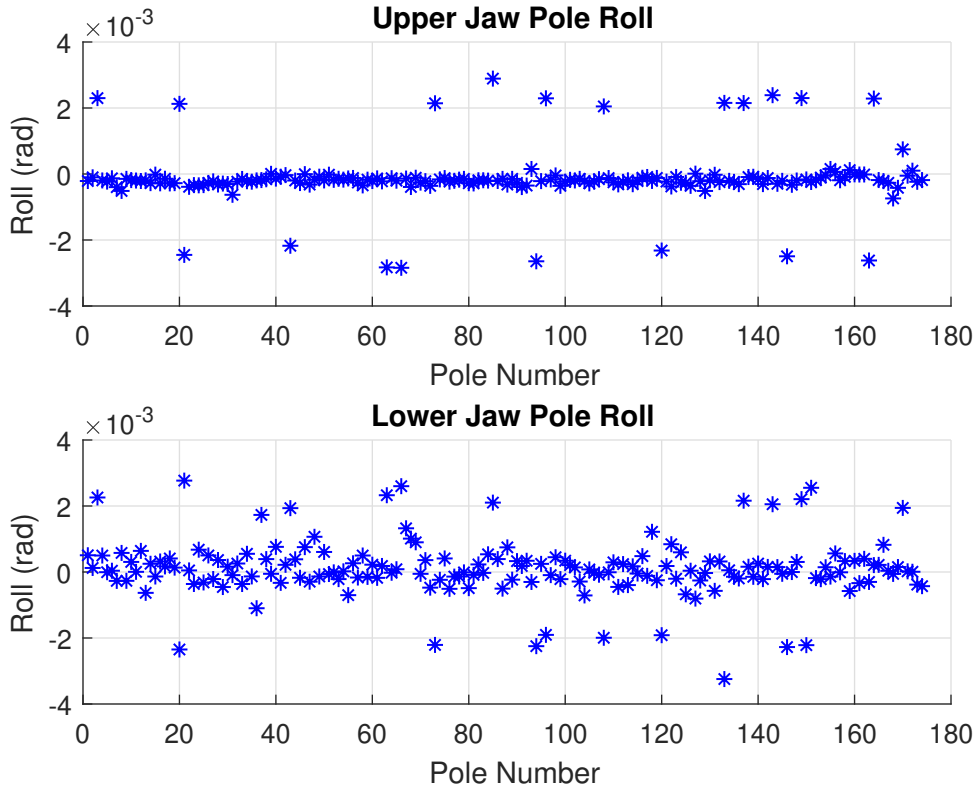

Upper Jaw Pole Y-Positions vs Z
3.65
3.6
3.55
3.5
Y (mm)
Upper Jaw Pitch = 9.495097e-07 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
-6.3
-6.4
-6.5
-6.6
-6.7
Y (mm)
Lower Jaw Pitch = -1.428864e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

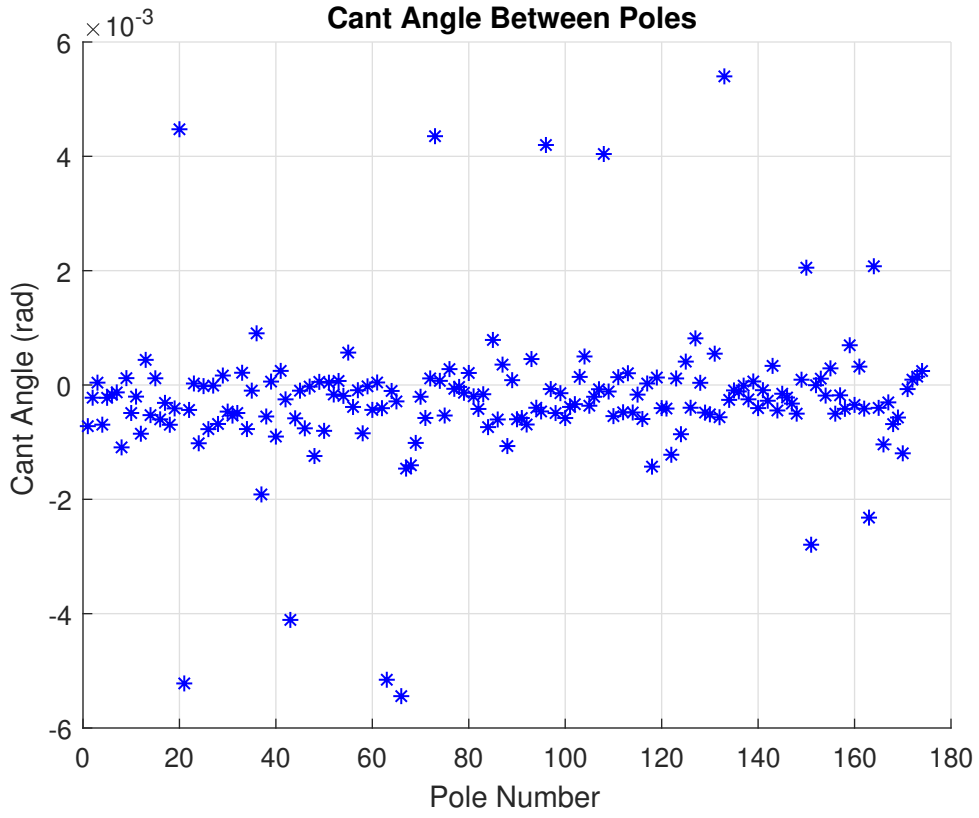

Midplane Height vs Pole Number
-1.38
-1.4
-1.42
-1.44
-1.46
-1.48
-1.5
Ymid (mm)
0
20
40
60
80
100
120
140
160
180
Pole Number


Midplane Height vs Z
-1.38
-1.4
-1.42
-1.44
-1.46
-1.48
-1.5
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -2.396771e-07 rad


Gap vs Pole Number
Gap (mm)
Pole Number
10.25
10.2
10.15
10.1
10.05
10
9.95
9.9
9.85
0
20
40
60
80
100
120
140
160
180


Gap vs Z
Gap (mm)
Z (mm)
Taper = 2.378374e-06 rad
10.25
10.2
10.15
10.1
10.05
10
9.95
9.9
9.85
500
1000
1500
2000
2500
3000
3500
4000
4500


Upper Jaw Pole Roll
×10^-3
4
2
0
-2
-4
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Roll
×10^-3
4
2
0
-2
-4
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number


Cant Angle Between Poles
×10-3
6
4
2
0
-2
-4
-6
Cant Angle (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number