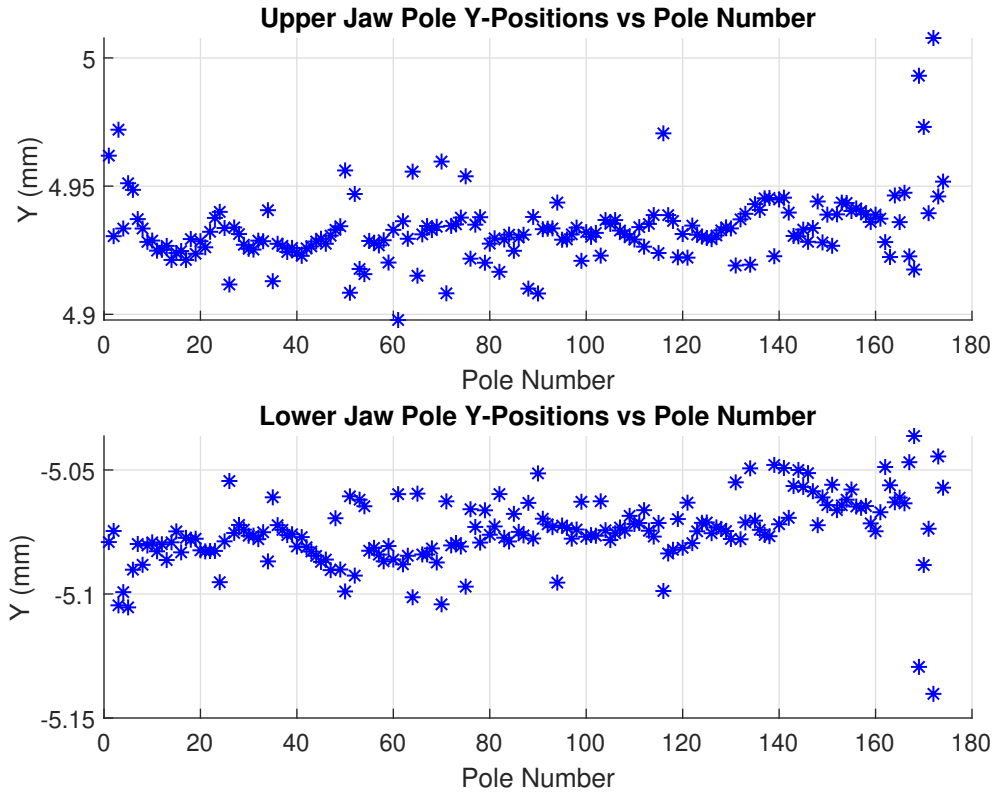
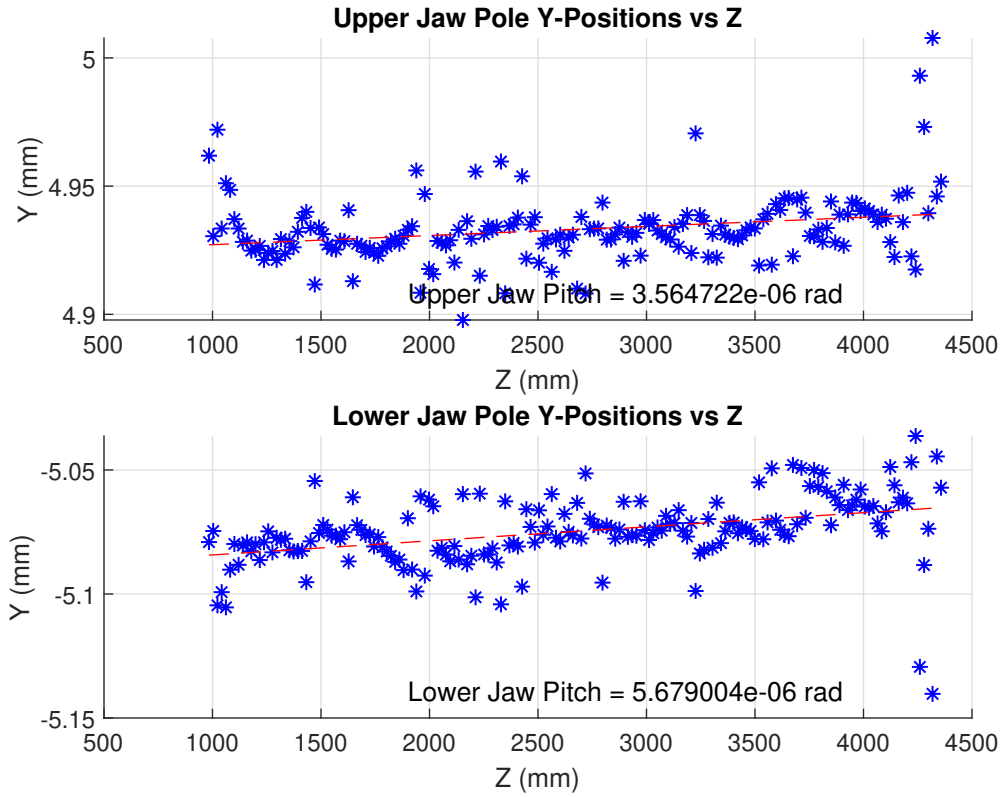
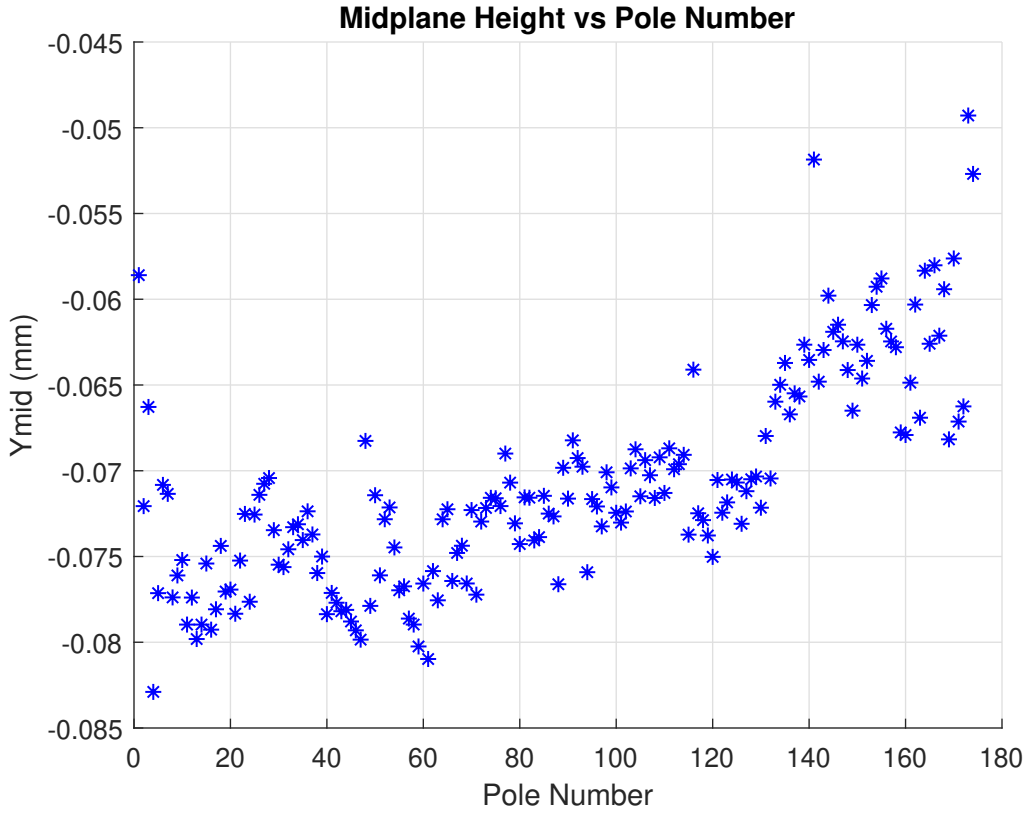
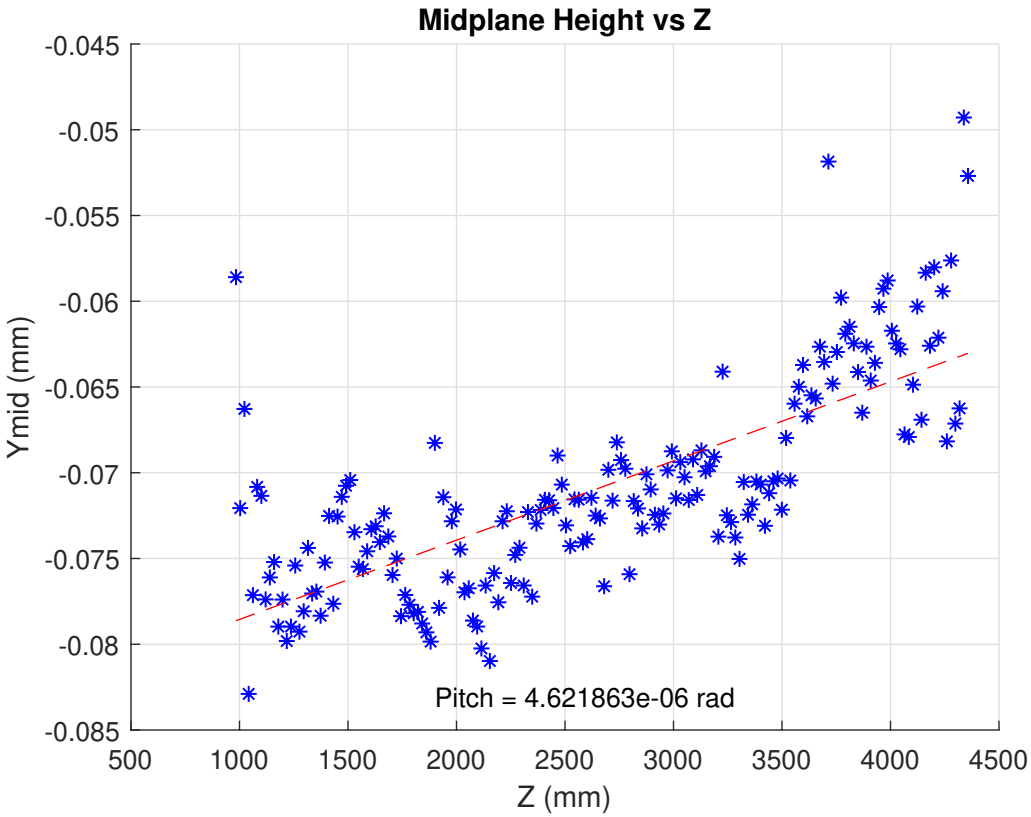
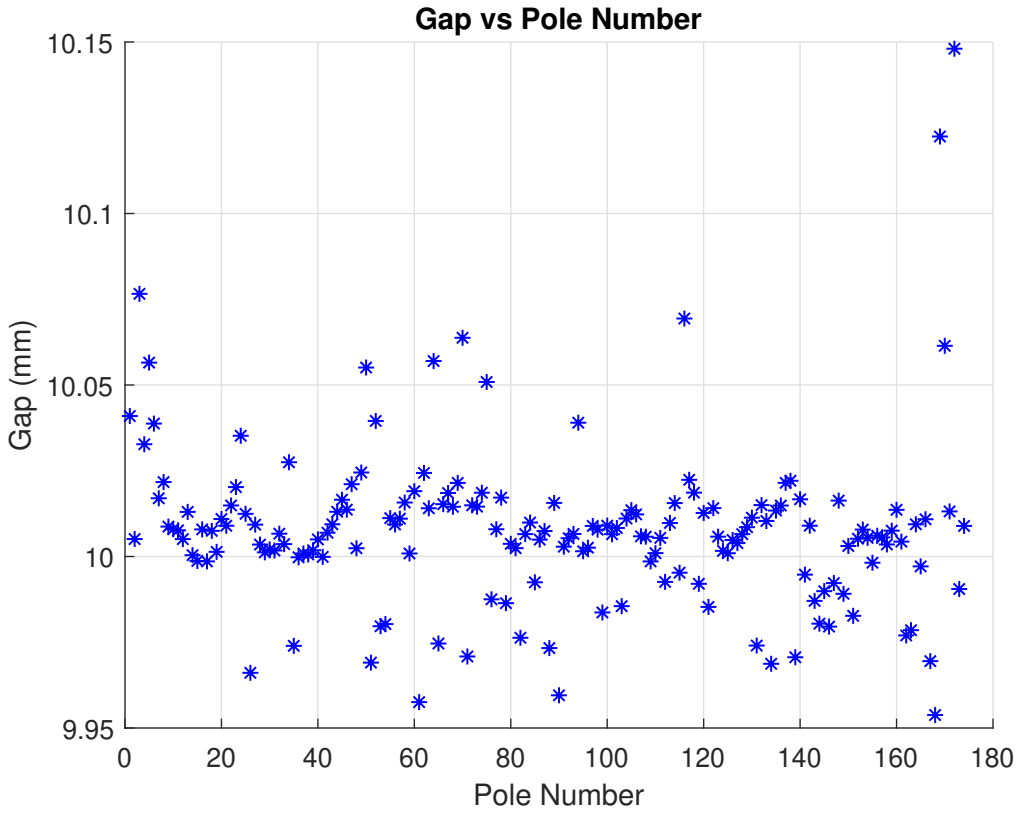
SLAC Magnetic Measurements#
Date: 08-08-2018#
Time: 19:21:47#

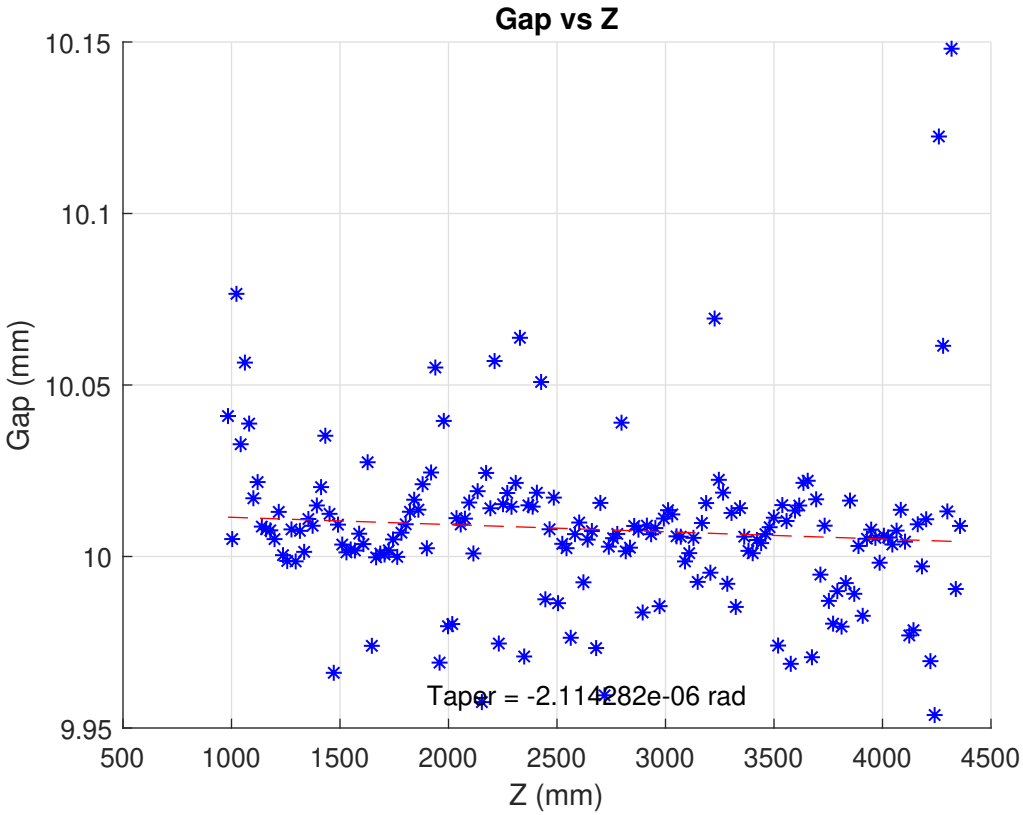

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
5
4.95
4.9
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-5.05
-5.1
-5.15
0
20
40
60
80
100
120
140
160
180
Pole Number

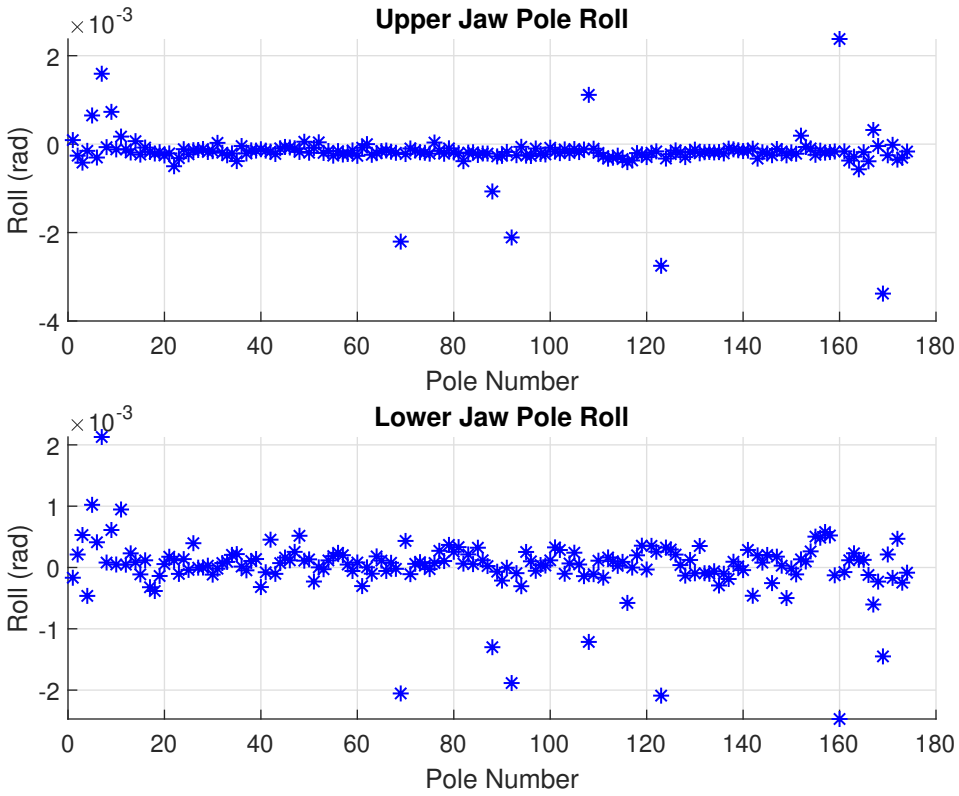

Upper Jaw Pole Y-Positions vs Z
Y (mm)
5
4.95
4.9
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Upper Jaw Pitch = 3.564722e-06 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-5.05
-5.1
-5.15
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pitch = 5.679004e-06 rad

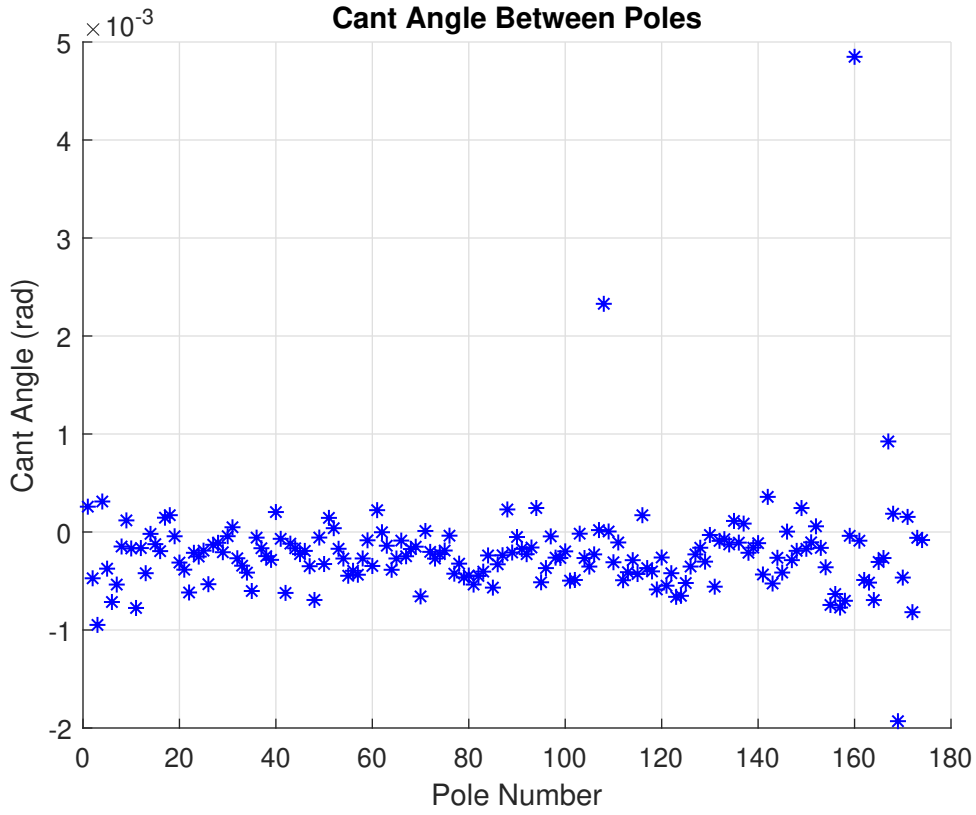

Midplane Height vs Pole Number
Ymid (mm)
-0.045
-0.05
-0.055
-0.06
-0.065
-0.07
-0.075
-0.08
-0.085
0
20
40
60
80
100
120
140
160
180
Pole Number


Midplane Height vs Z
-0.045
-0.05
-0.055
-0.06
-0.065
-0.07
-0.075
-0.08
-0.085
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 4.621863e-06 rad


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


Gap vs Z
Gap (mm)
Z (mm)
Taper = -2.114282e-06 rad
10.15
10.1
10.05
10
9.95
500
1000
1500
2000
2500
3000
3500
4000
4500


Upper Jaw Pole Roll
×10^-3
2
0
-2
-4
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Roll
×10^-3
2
1
0
-1
-2
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number


Cant Angle Between Poles
×10-3
5
4
3
2
1
0
-1
-2
Cant Angle (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number