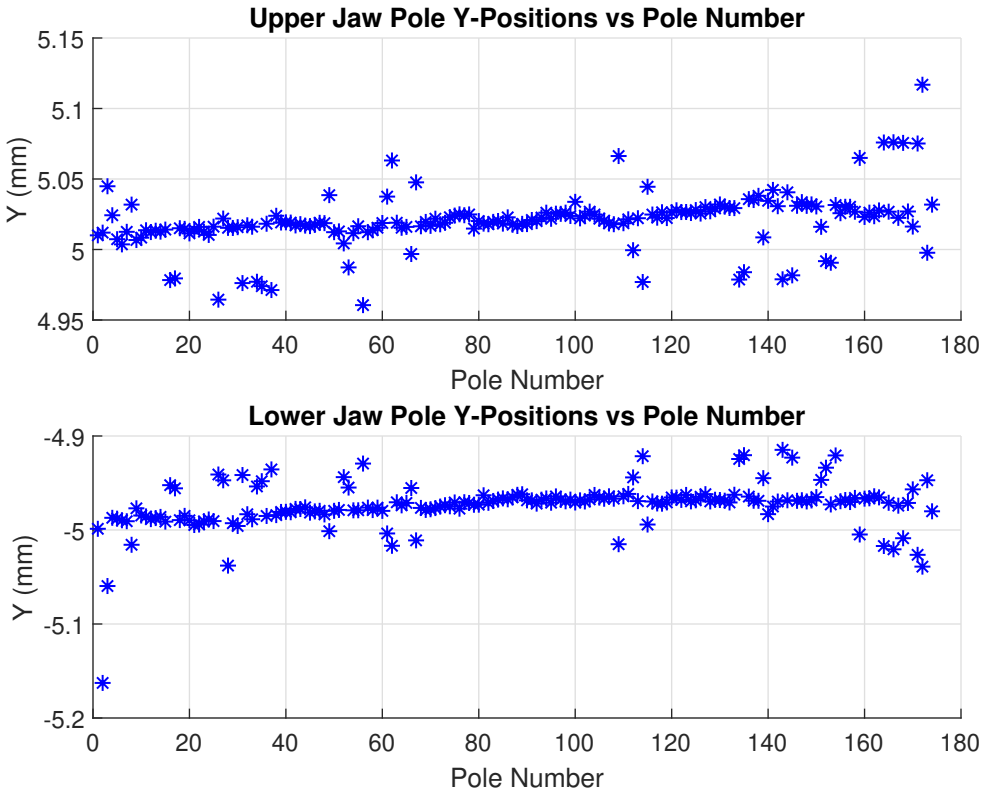
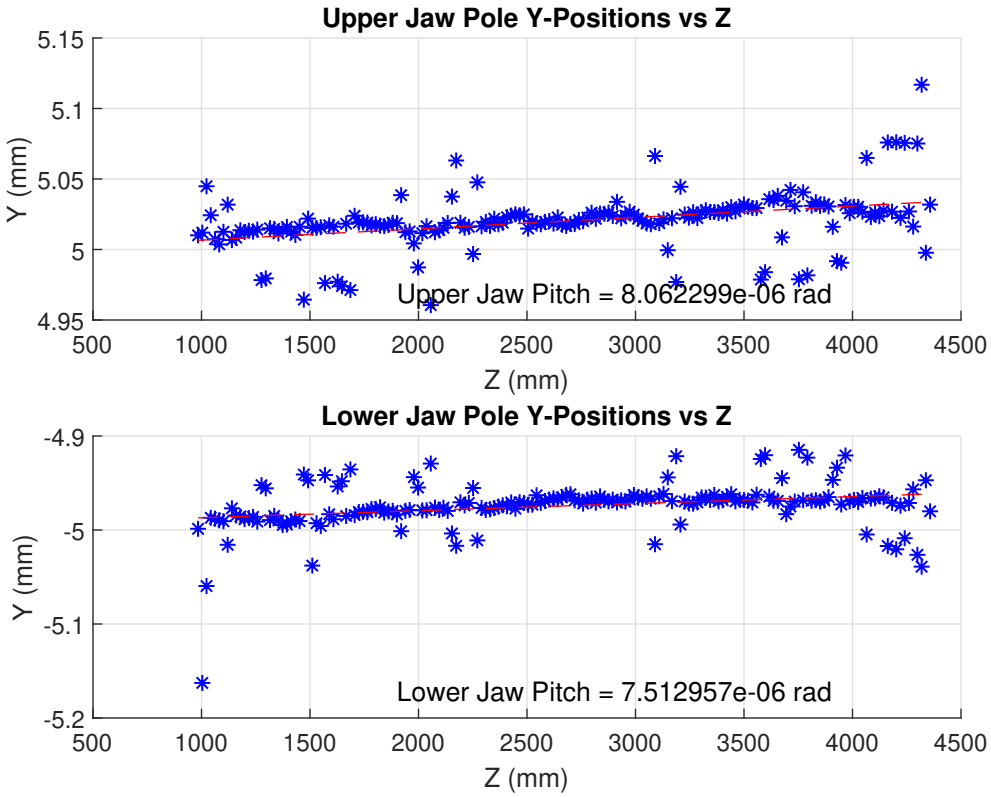
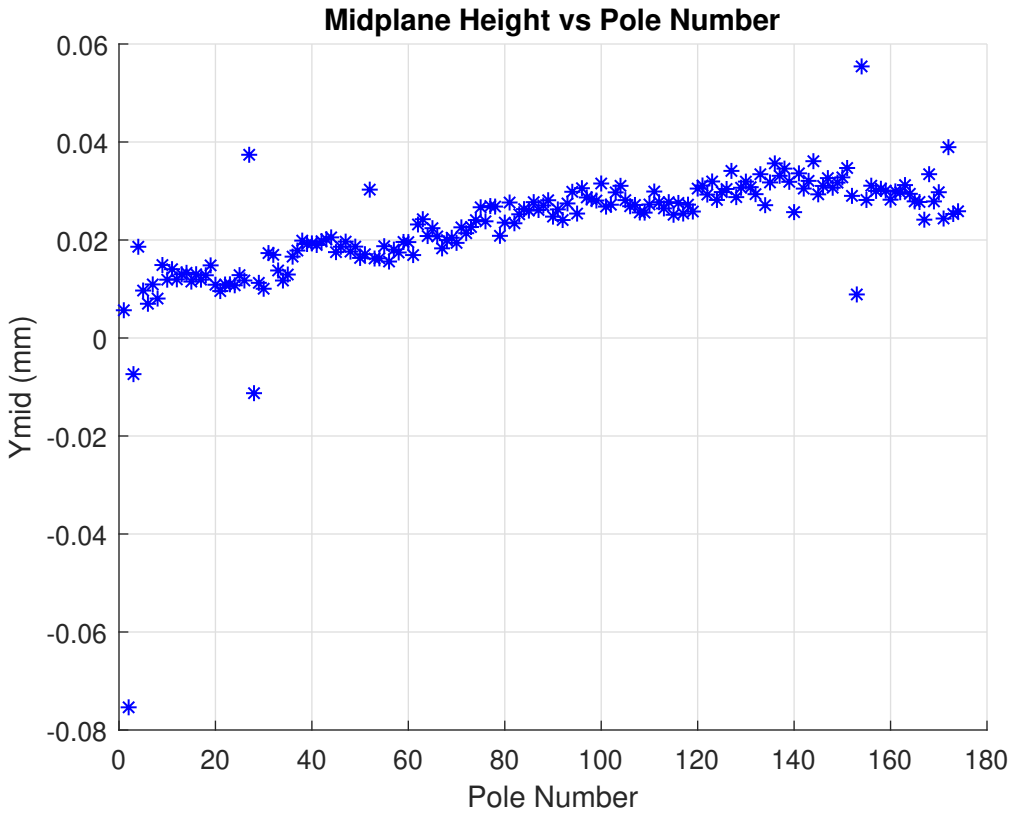
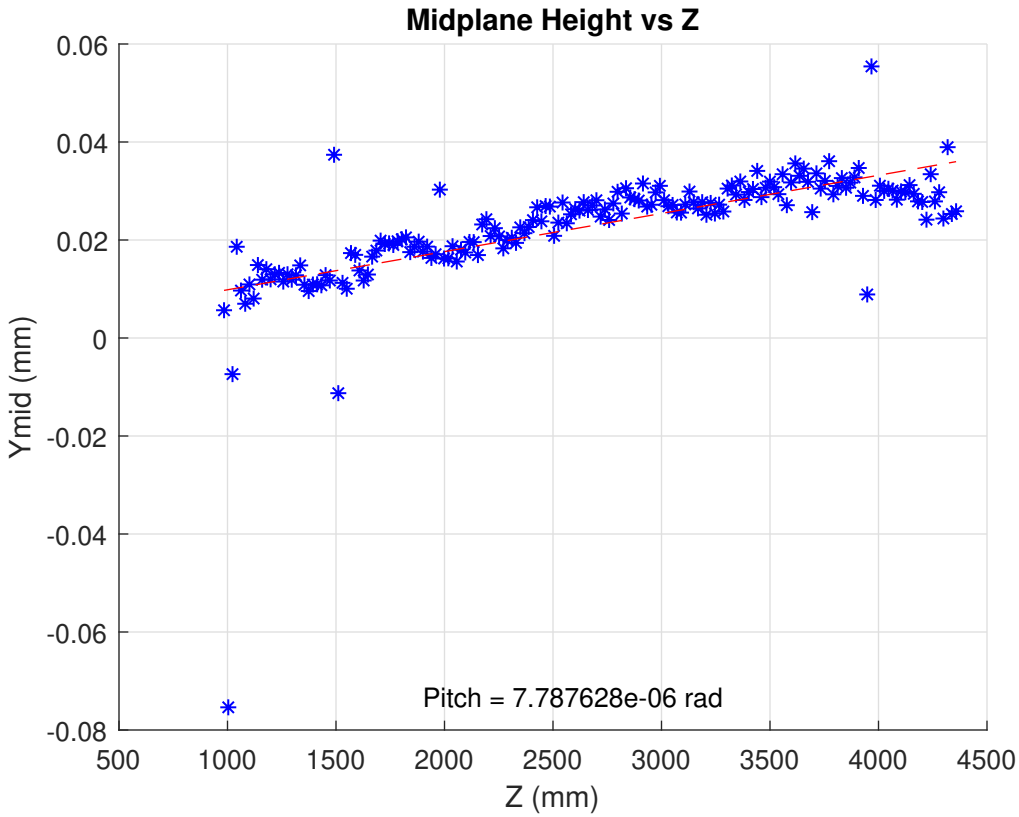
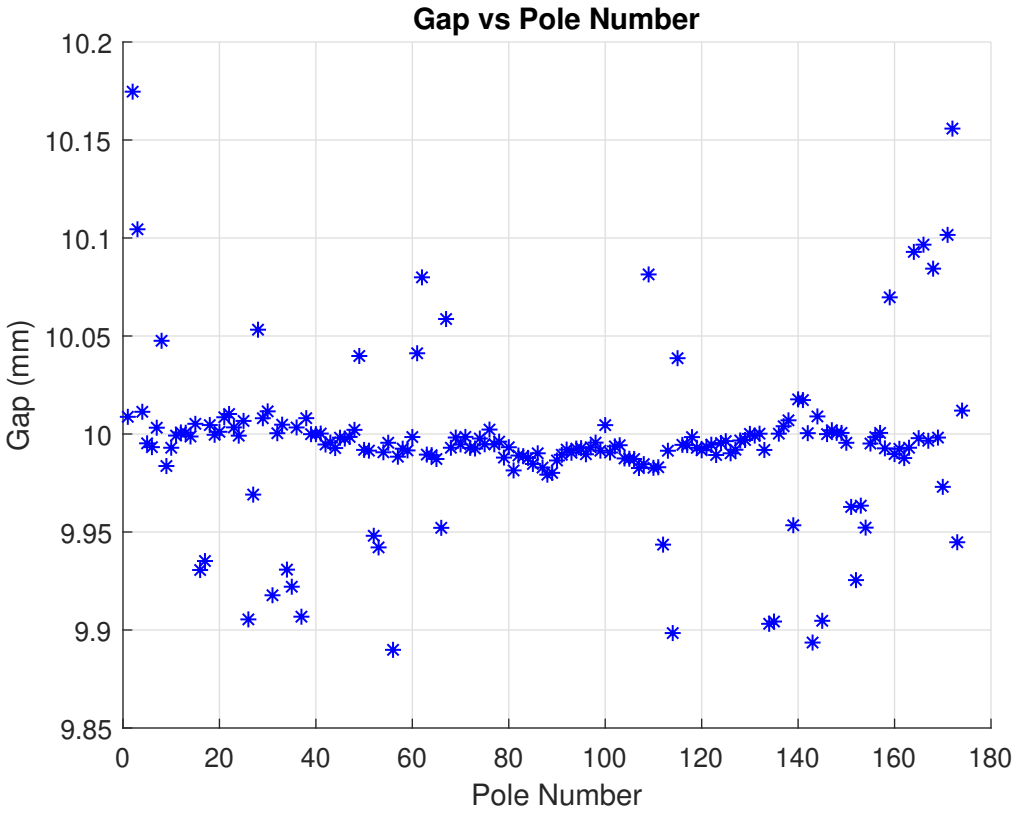
SLAC Magnetic Measurements#
Date: 09-18-2019#
Time: 16:48:16#

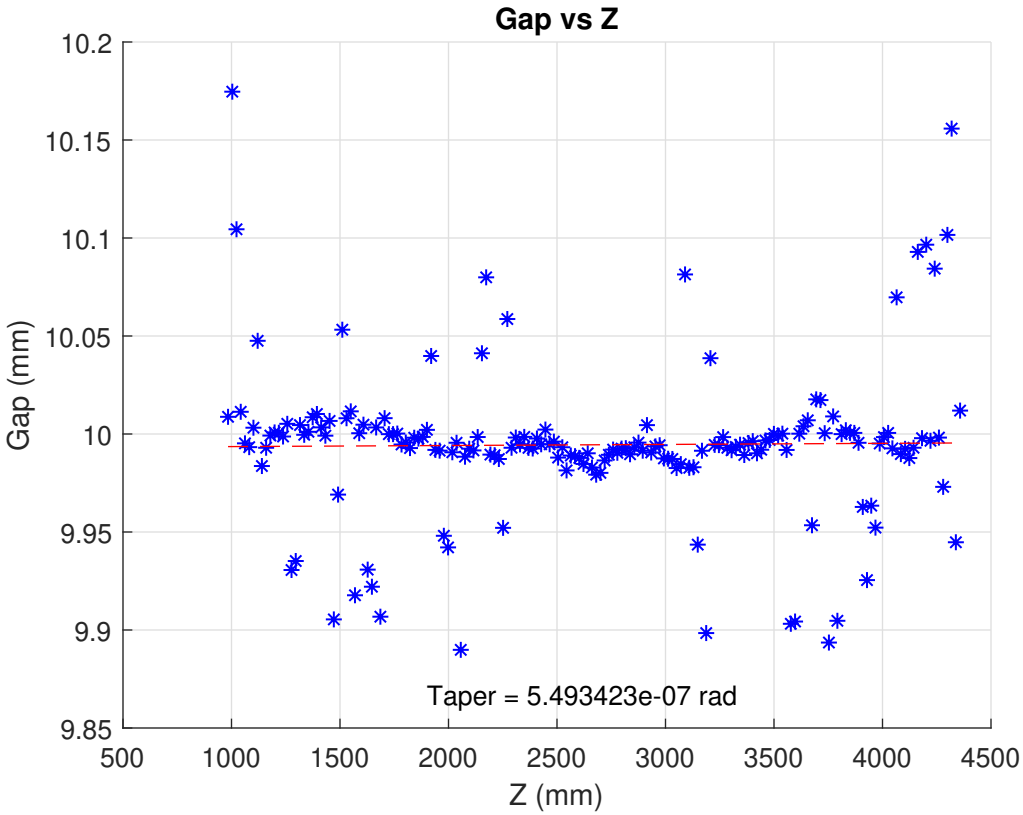

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
5.15
5.1
5.05
5
4.95
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-4.9
-5
-5.1
-5.2
0
20
40
60
80
100
120
140
160
180
Pole Number

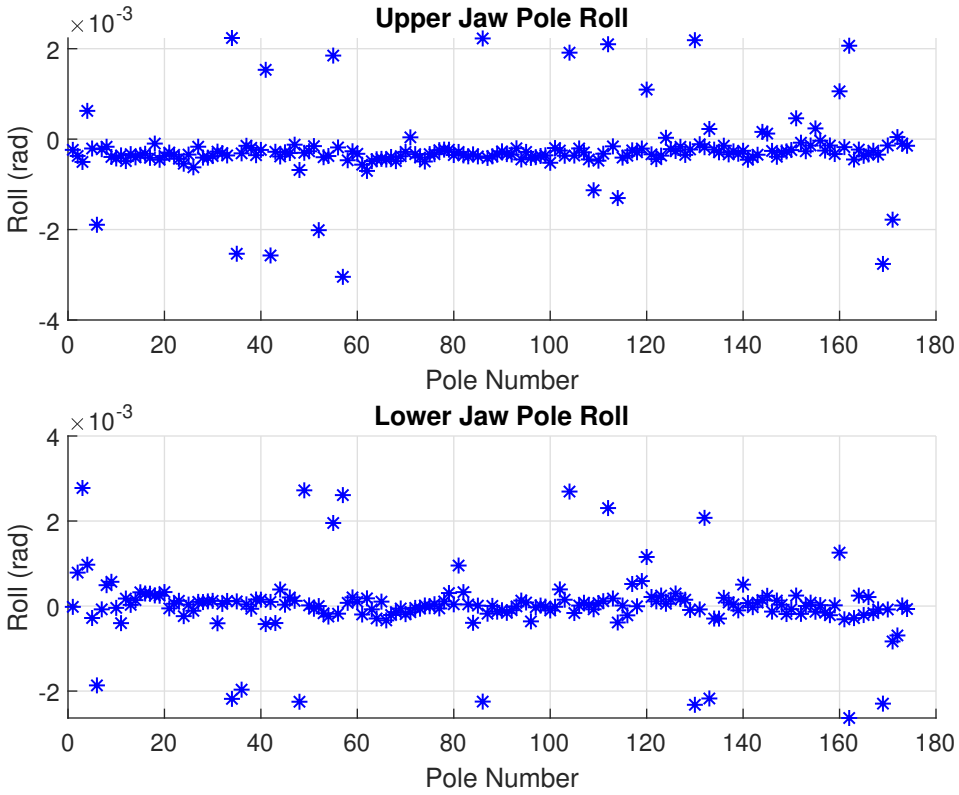

Upper Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Upper Jaw Pitch = 8.062299e-06 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Lower Jaw Pitch = 7.512957e-06 rad

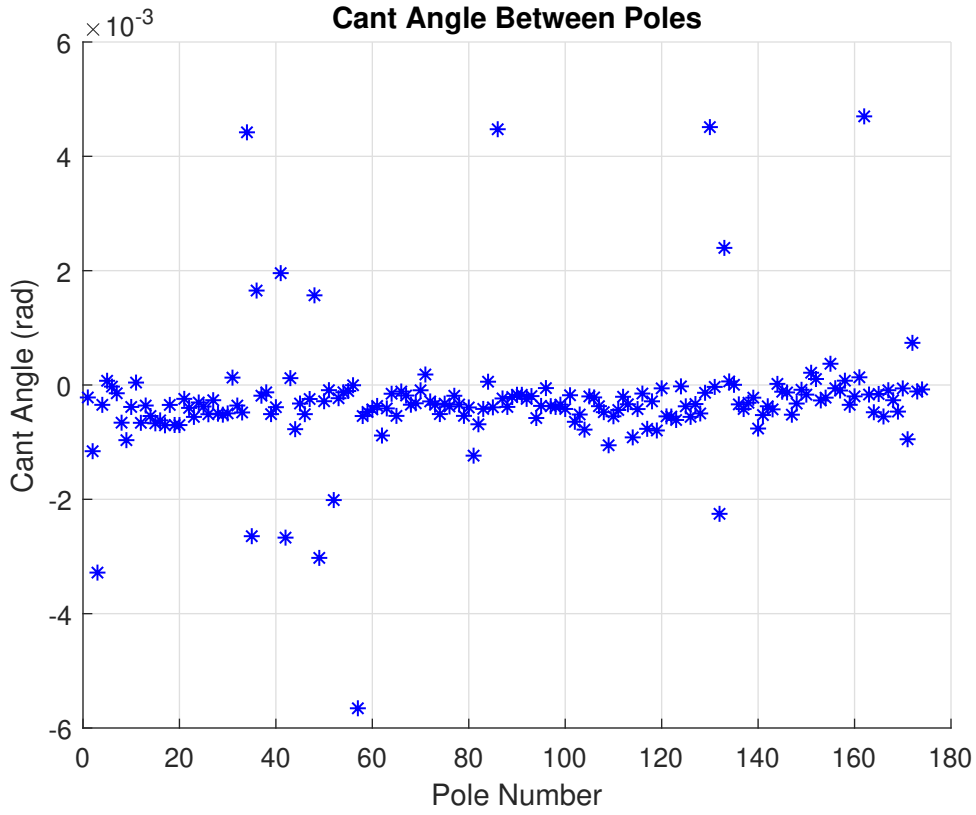

Midplane Height vs Pole Number
Ymid (mm)
Pole Number
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
0
20
40
60
80
100
120
140
160
180


Midplane Height vs Z
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 7.787628e-06 rad


Gap vs Pole Number
Gap (mm)
Pole Number
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 = 5.493423e-07 rad
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
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
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