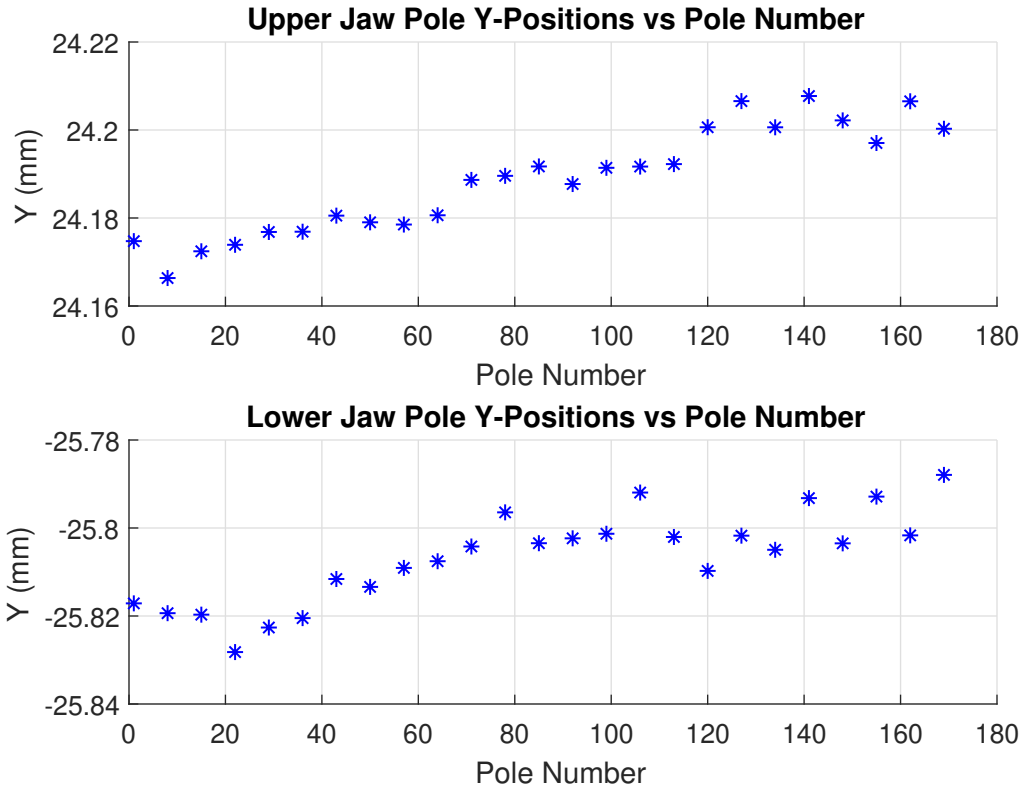
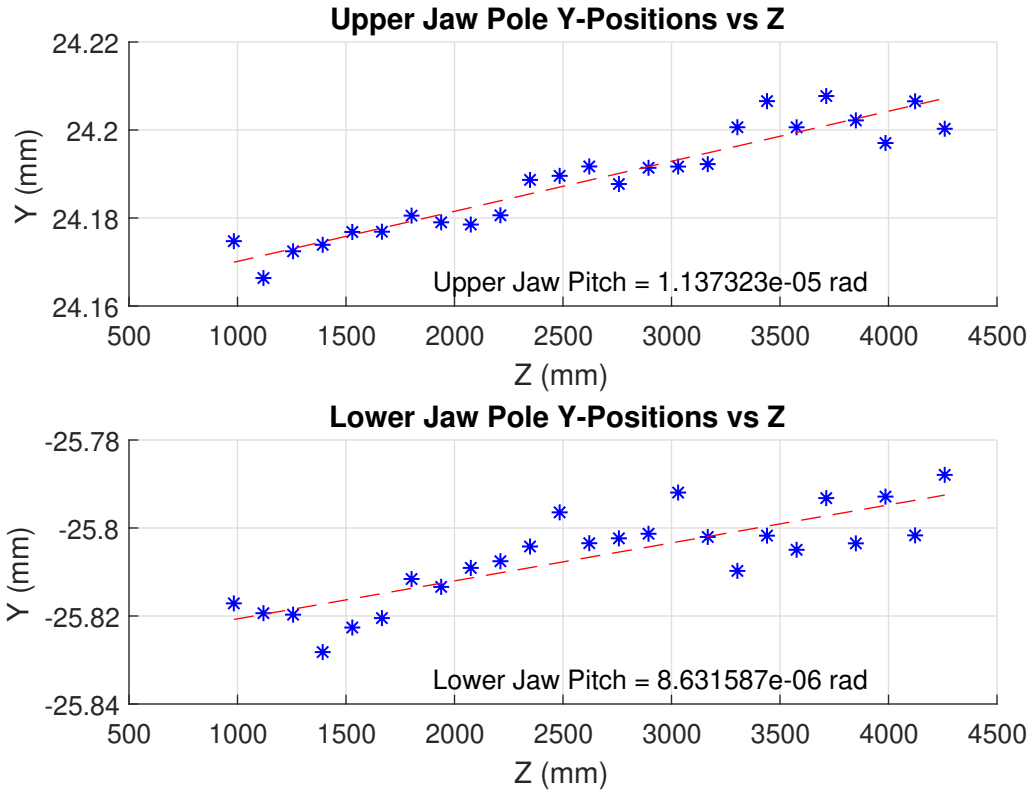
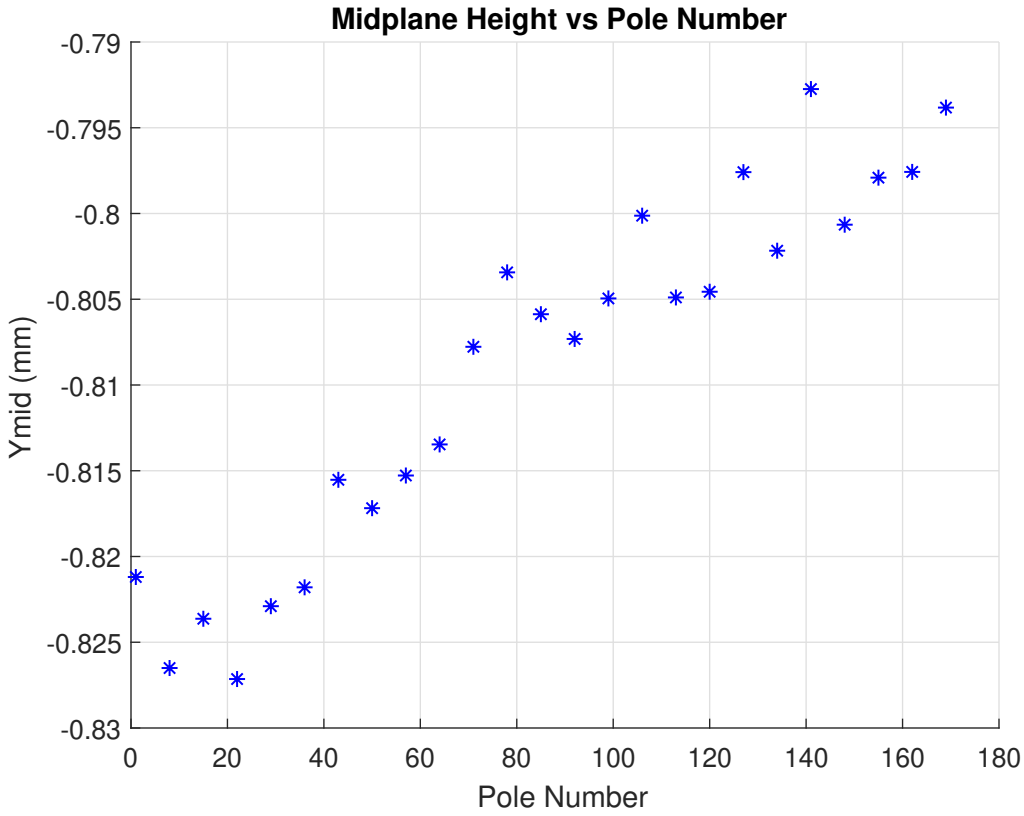
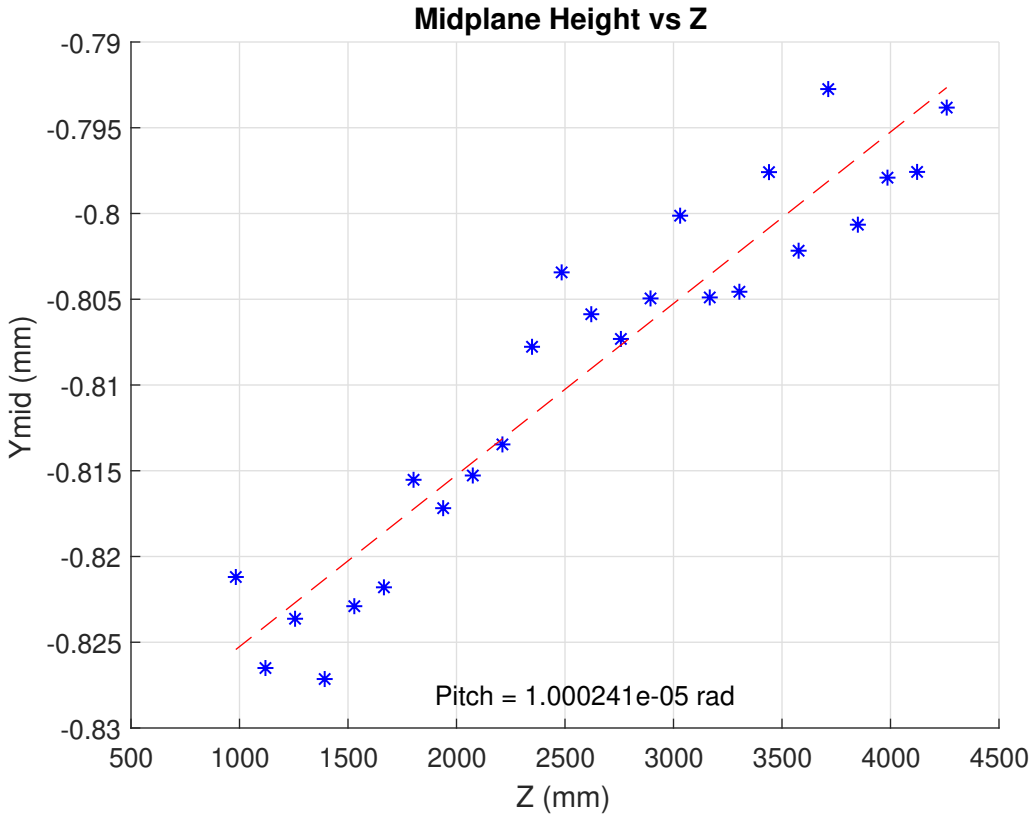
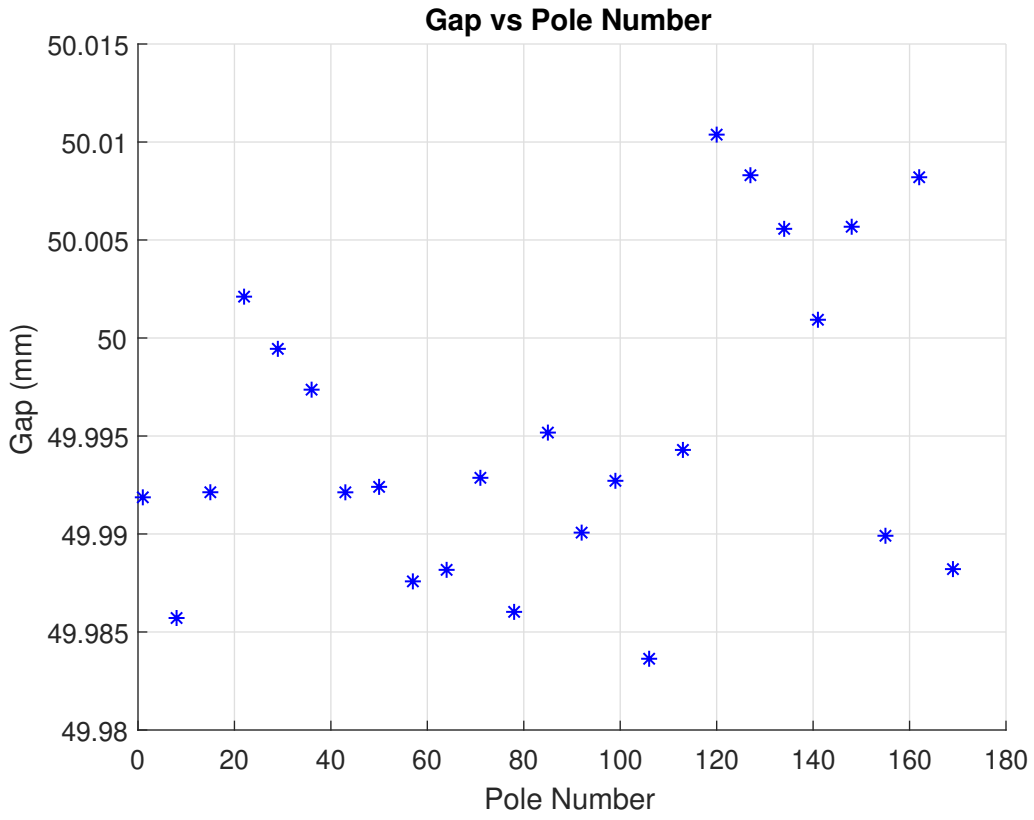
SLAC Magnetic Measurements#
Date: 11-04-2017#
Time: 15:49:12#

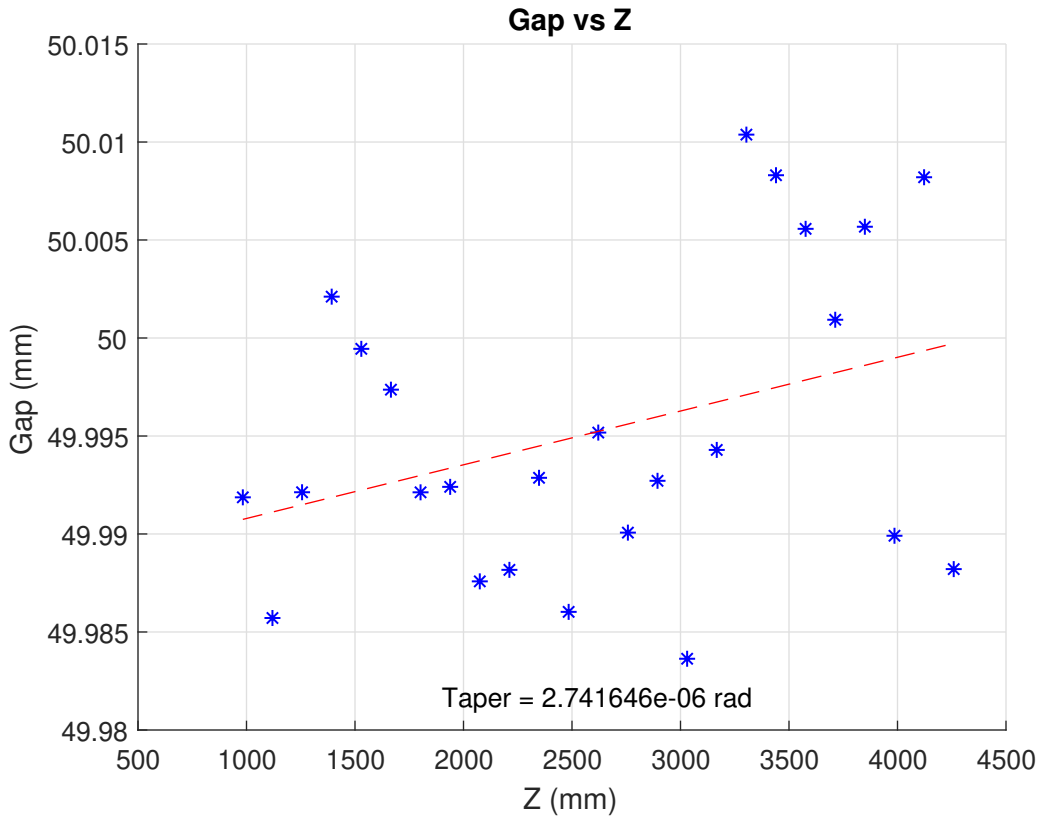

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
24.22
24.2
24.18
24.16
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-25.78
-25.8
-25.82
-25.84
0
20
40
60
80
100
120
140
160
180
Pole Number

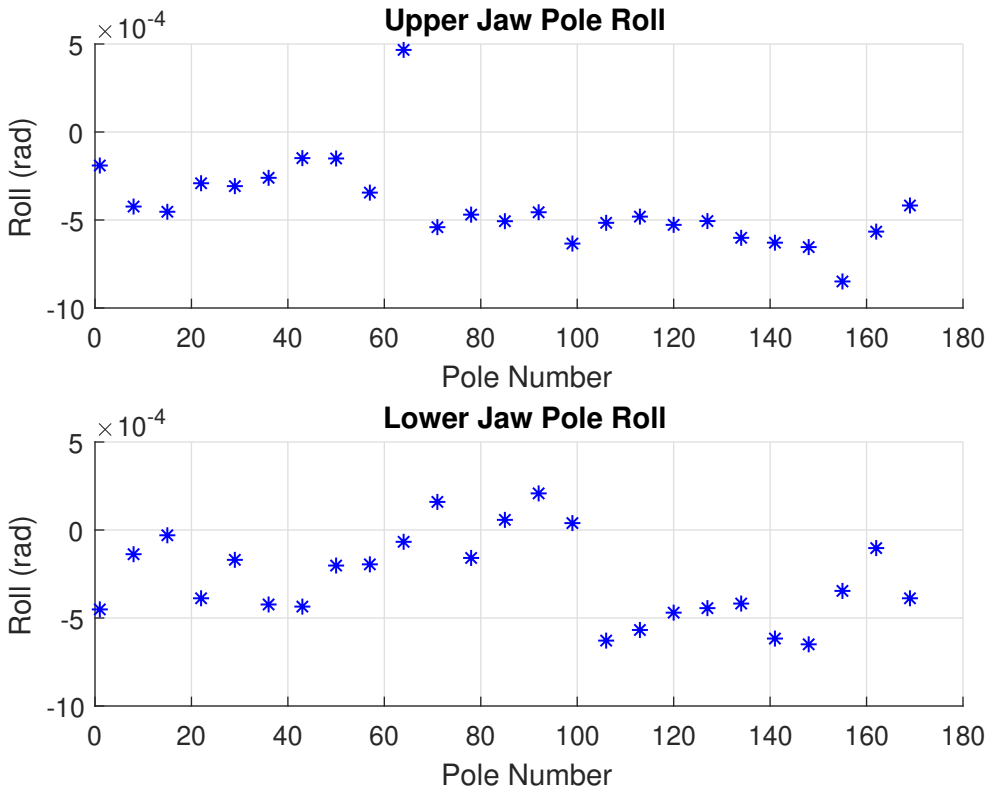

Upper Jaw Pole Y-Positions vs Z
24.22
24.2
24.18
24.16
Y (mm)
Upper Jaw Pitch = 1.137323e-05 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
-25.78
-25.8
-25.82
-25.84
Y (mm)
Lower Jaw Pitch = 8.631587e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

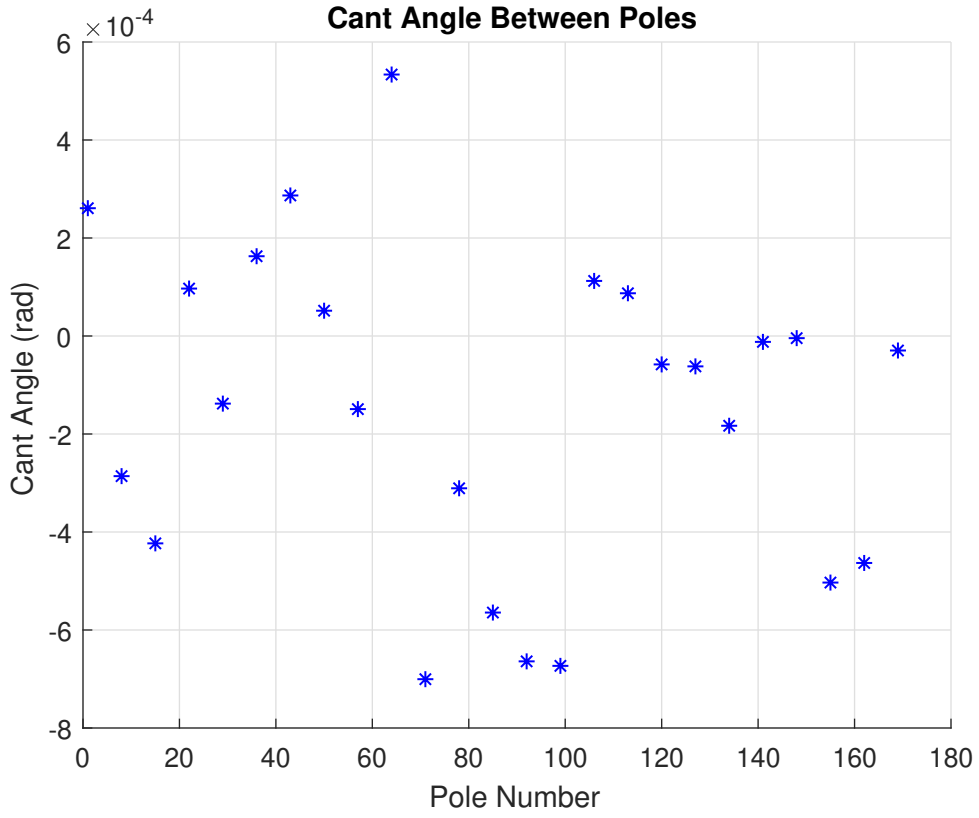

Midplane Height vs Pole Number
Ymid (mm)
-0.79
-0.795
-0.8
-0.805
-0.81
-0.815
-0.82
-0.825
-0.83
0
20
40
60
80
100
120
140
160
180
Pole Number


Midplane Height vs Z
-0.79
-0.795
-0.8
-0.805
-0.81
-0.815
-0.82
-0.825
-0.83
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 1.000241e-05 rad


Gap vs Pole Number
Gap (mm)
Pole Number
50.015
50.01
50.005
50
49.995
49.99
49.985
49.98
0
20
40
60
80
100
120
140
160
180


Gap vs Z
50.015
50.01
50.005
50
49.995
49.99
49.985
49.98
Gap (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = 2.741646e-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^-4
5
0
-5
-10
Roll (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number


Cant Angle Between Poles
×10^-4
6
4
2
0
-2
-4
-6
-8
Cant Angle (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number