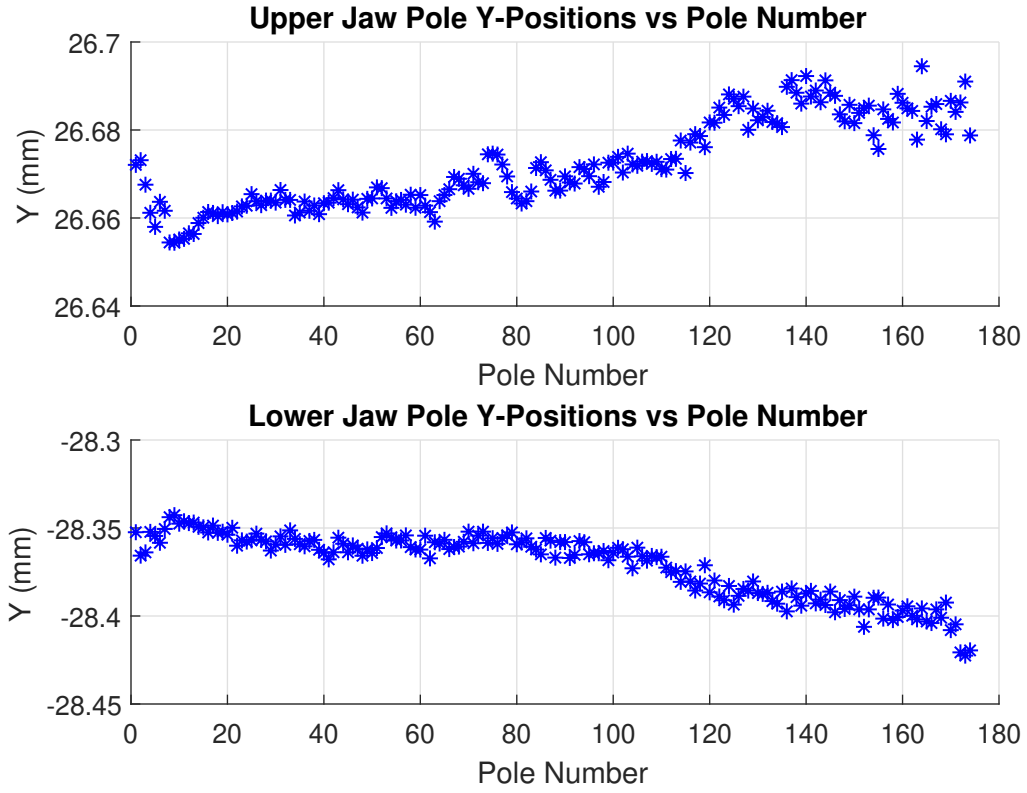
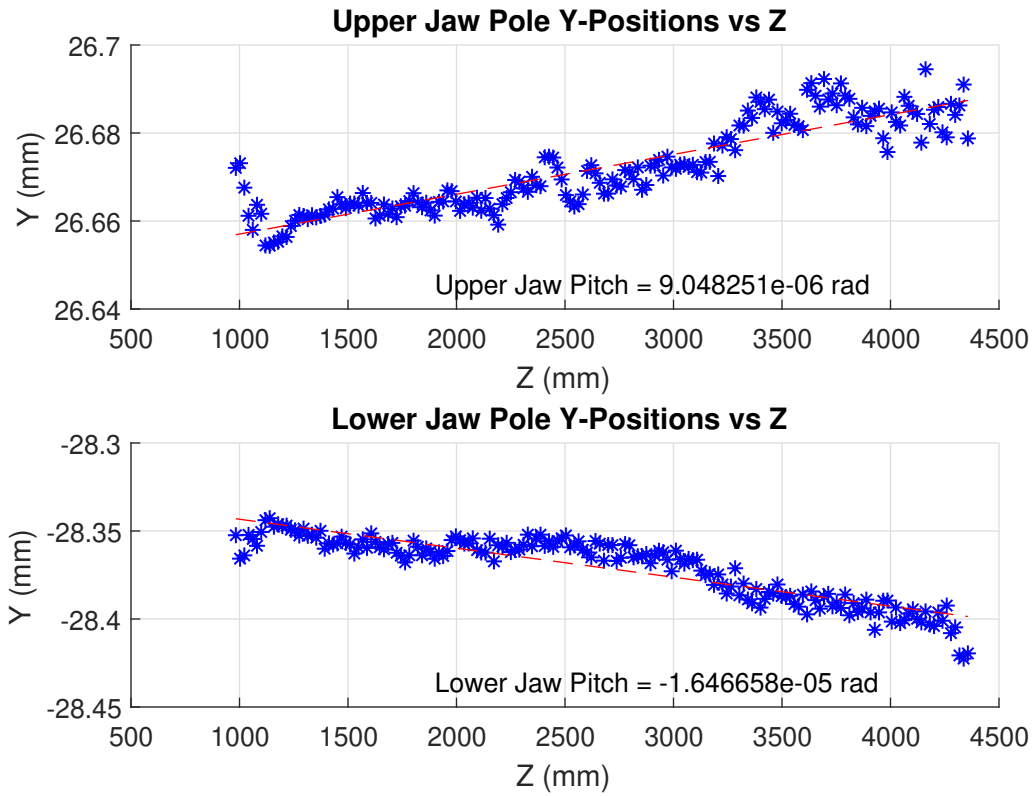
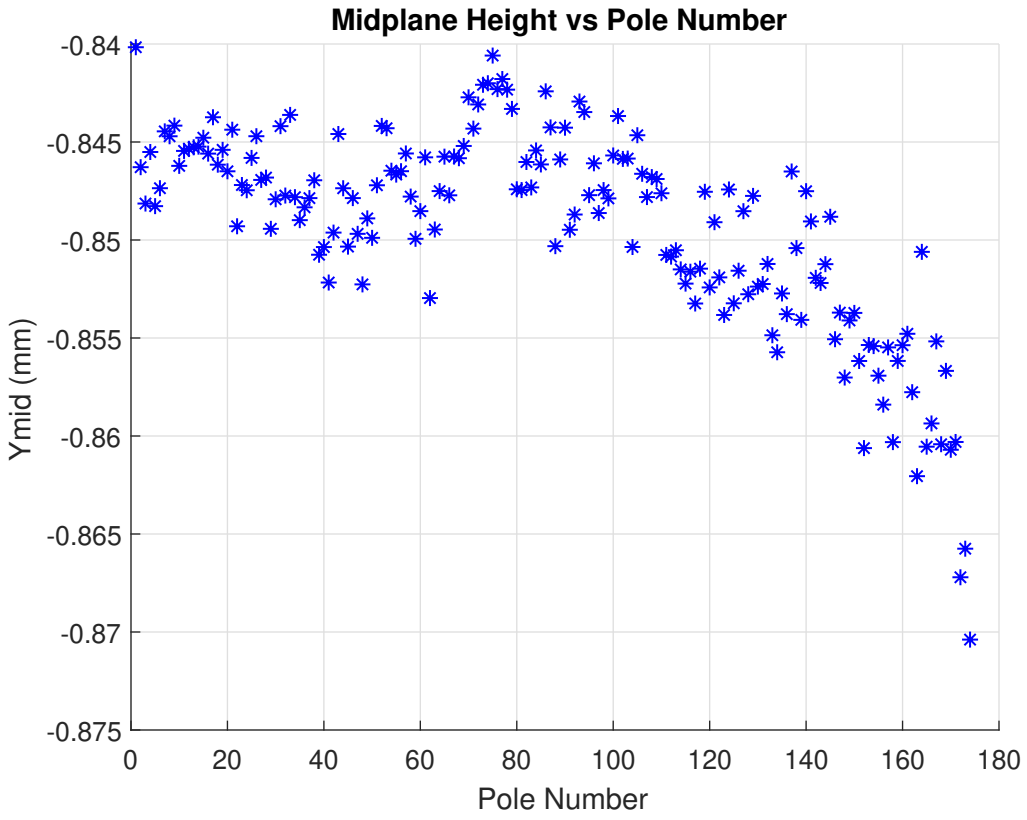
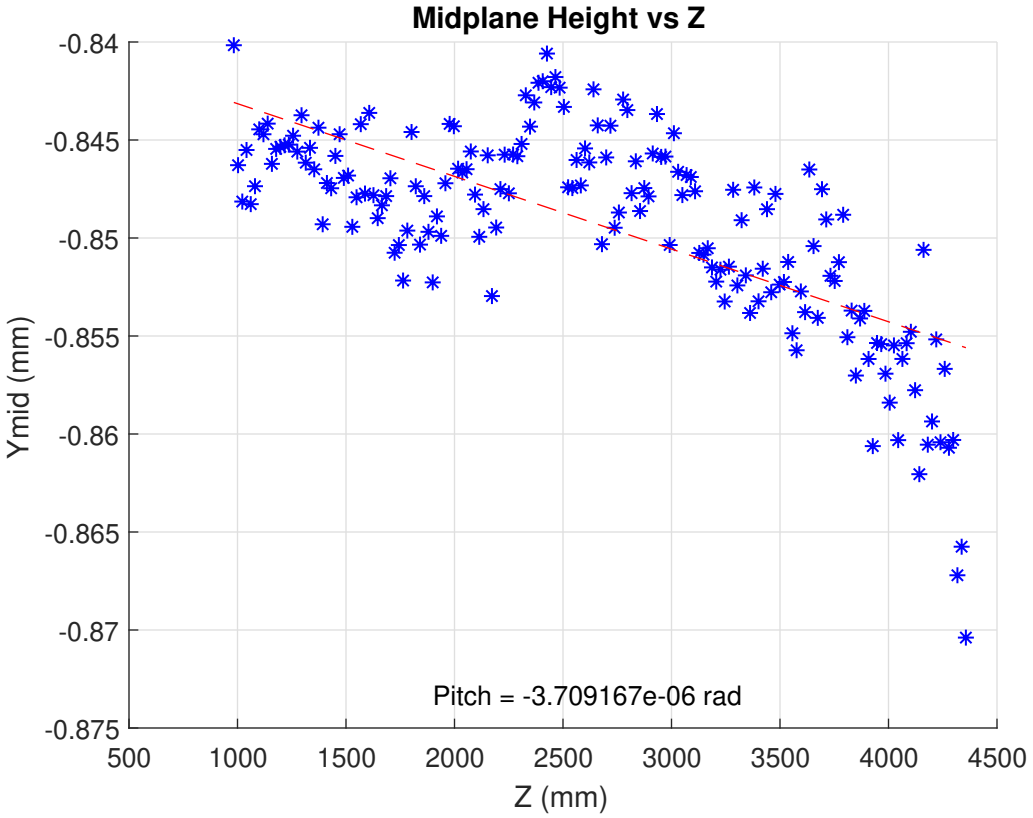
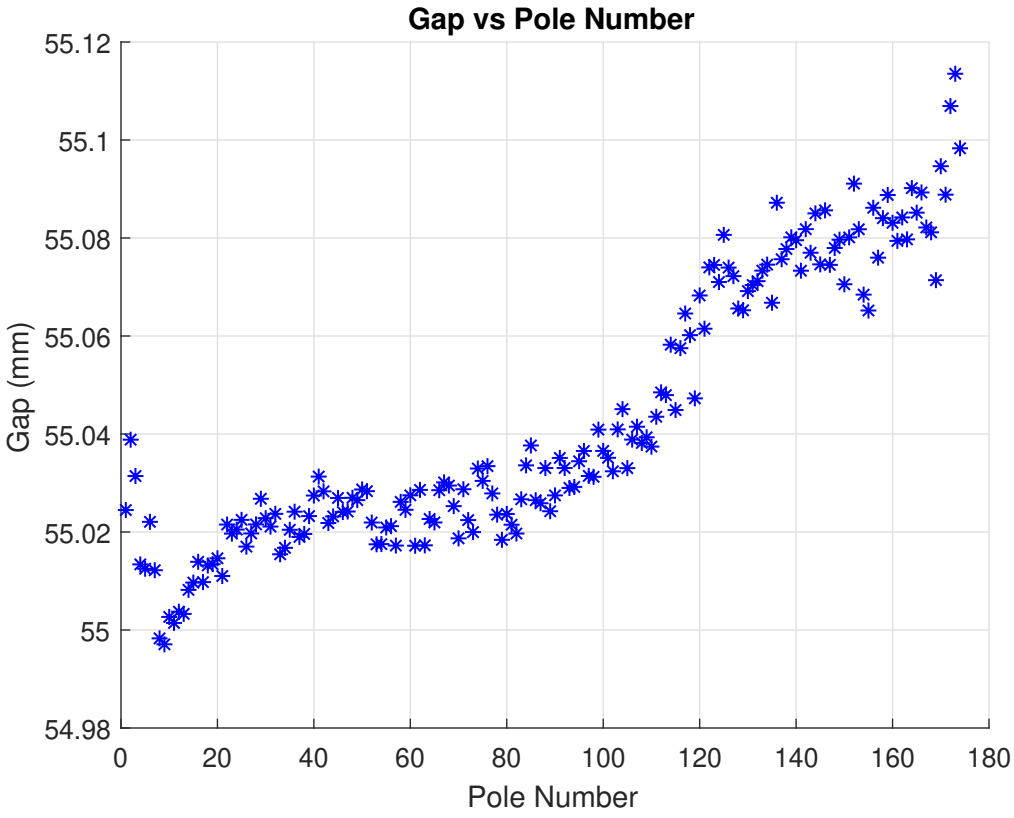
SLAC Magnetic Measurements#
Date: 11-04-2017#
Time: 15:47:52#

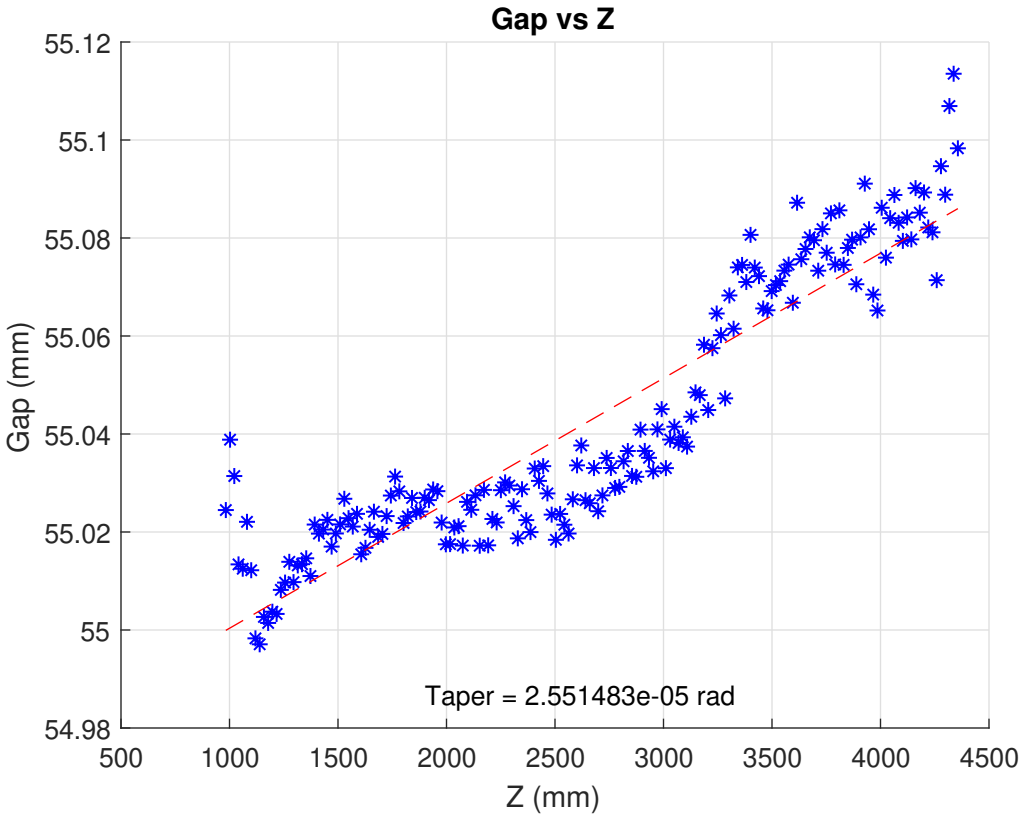

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
26.7
26.68
26.66
26.64
0
20
40
60
80
100
120
140
160
180
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-28.3
-28.35
-28.4
-28.45
0
20
40
60
80
100
120
140
160
180
Pole Number

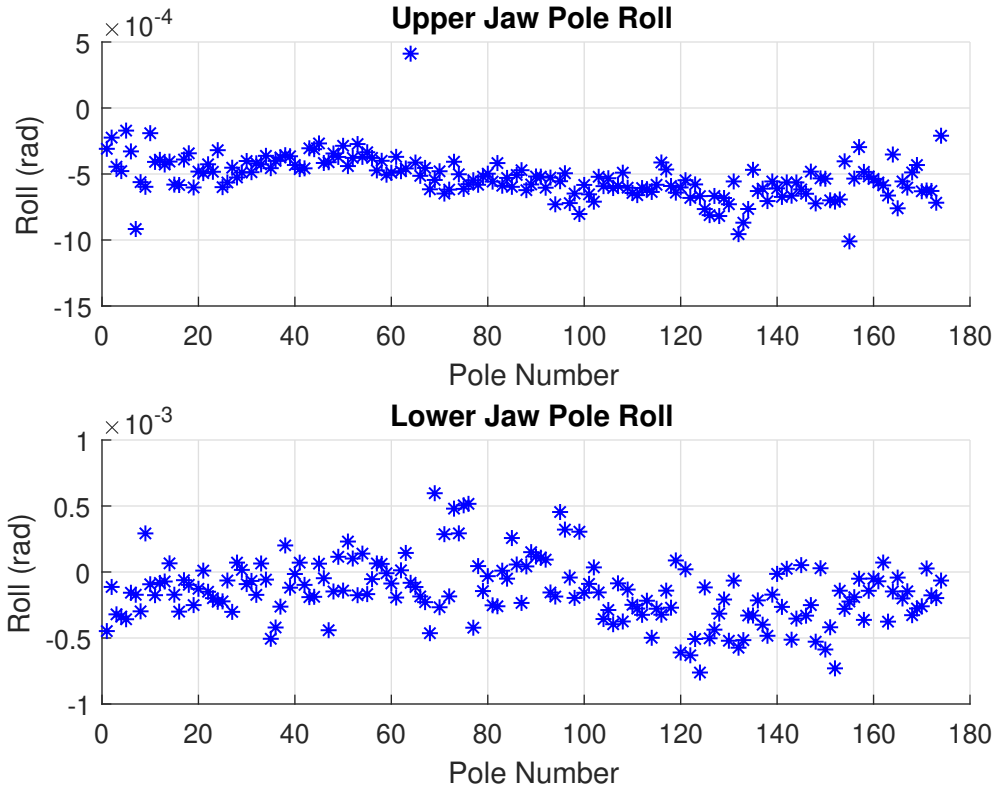

Upper Jaw Pole Y-Positions vs Z
Y (mm)
26.7
26.68
26.66
26.64
Upper Jaw Pitch = 9.048251e-06 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Lower Jaw Pole Y-Positions vs Z
Y (mm)
-28.3
-28.35
-28.4
-28.45
Lower Jaw Pitch = -1.646658e-05 rad
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)

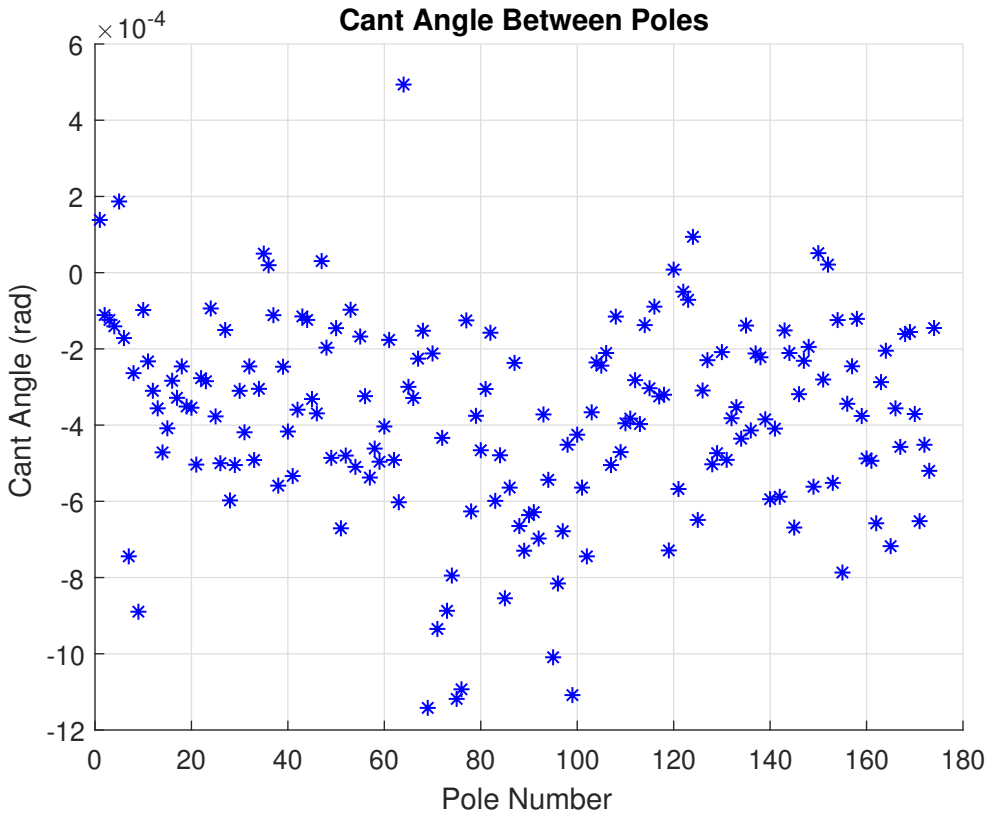

Midplane Height vs Pole Number
Ymid (mm)
-0.84
-0.845
-0.85
-0.855
-0.86
-0.865
-0.87
-0.875
0
20
40
60
80
100
120
140
160
180
Pole Number


Midplane Height vs Z
-0.84
-0.845
-0.85
-0.855
-0.86
-0.865
-0.87
-0.875
Ymid (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = -3.709167e-06 rad


Gap vs Pole Number
Gap (mm)
Pole Number
55.12
55.1
55.08
55.06
55.04
55.02
55
54.98
0
20
40
60
80
100
120
140
160
180


Gap vs Z
55.12
55.1
55.08
55.06
55.04
55.02
55
54.98
Gap (mm)
500
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = 2.551483e-05 rad


Upper Jaw Pole Roll
×10^-4
5
0
-5
-10
-15
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
6
4
2
0
-2
-4
-6
-8
-10
-12
Cant Angle (rad)
0
20
40
60
80
100
120
140
160
180
Pole Number