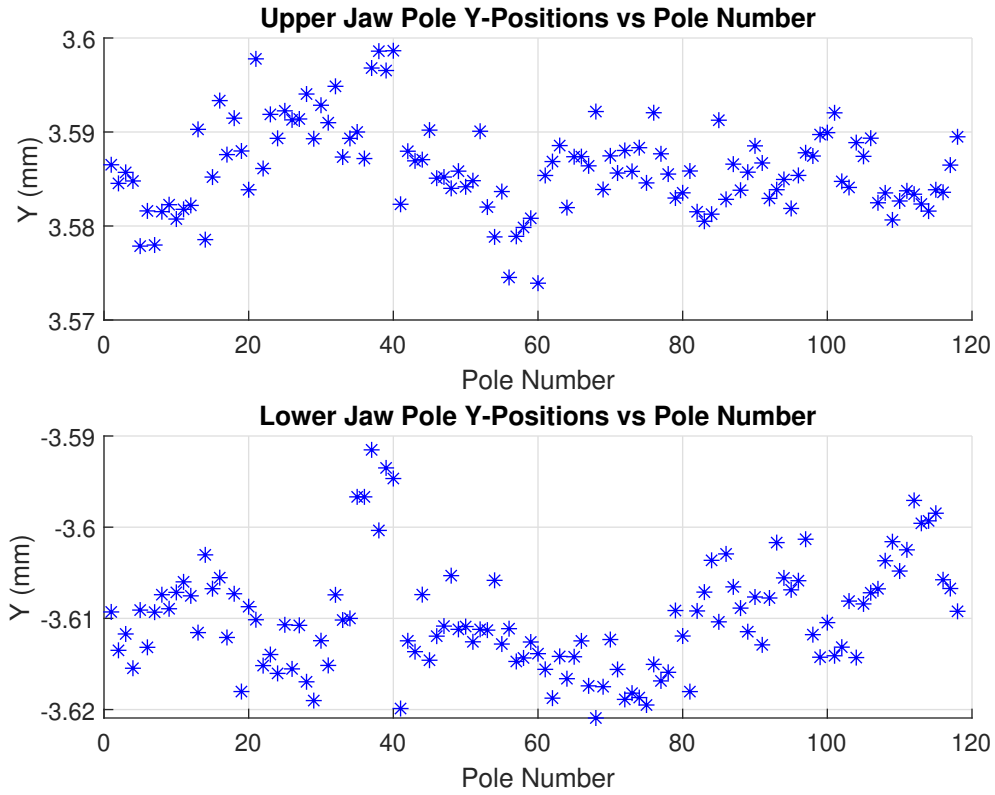
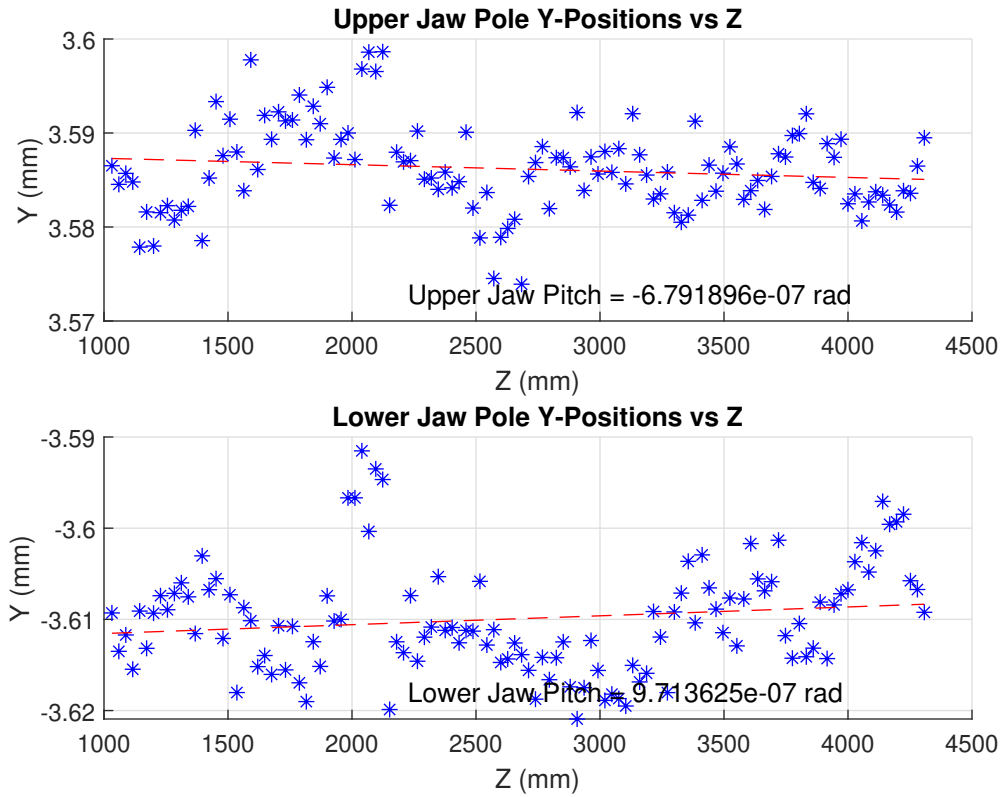
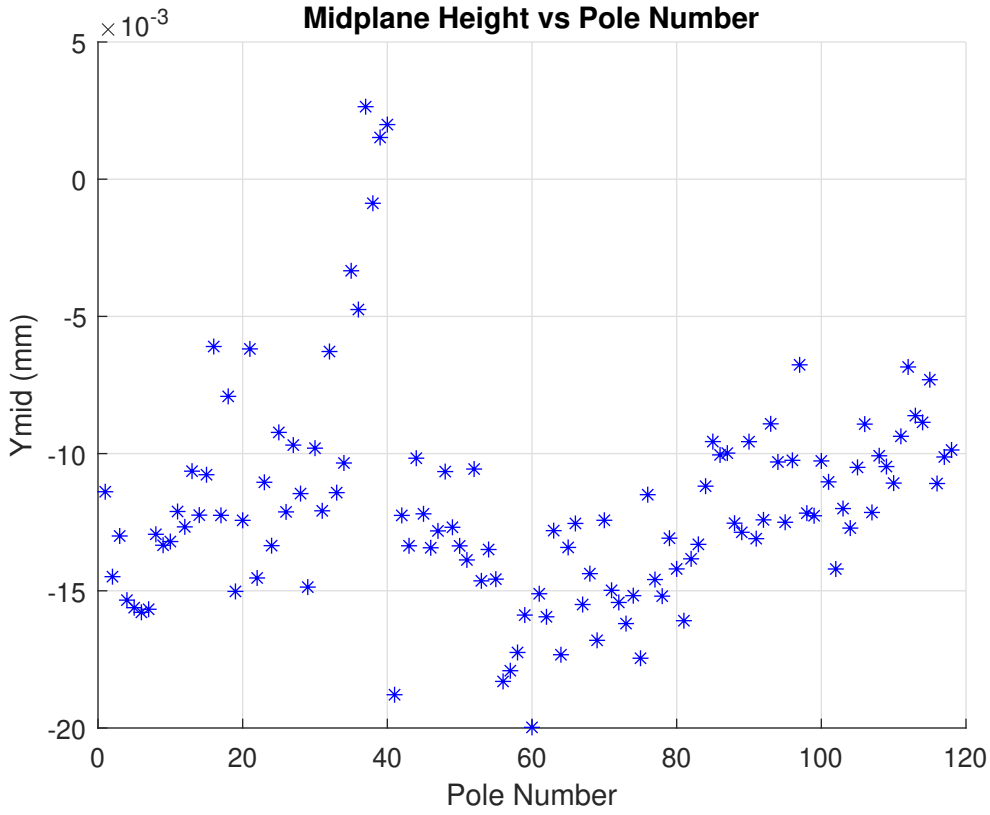
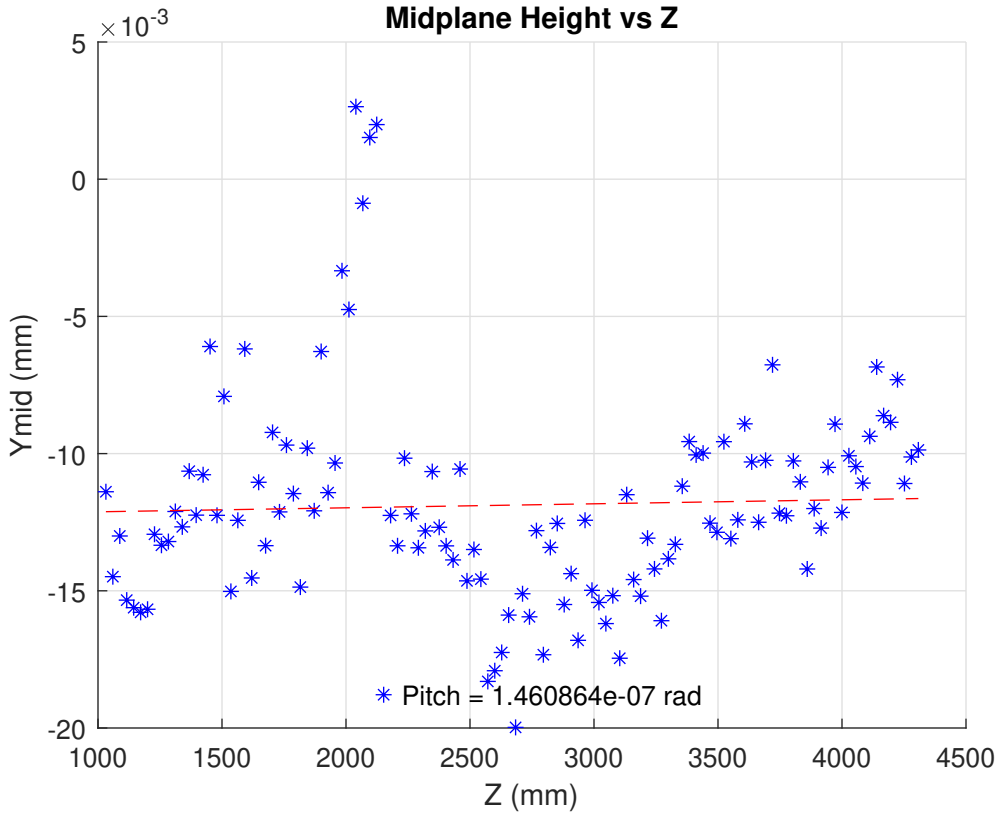
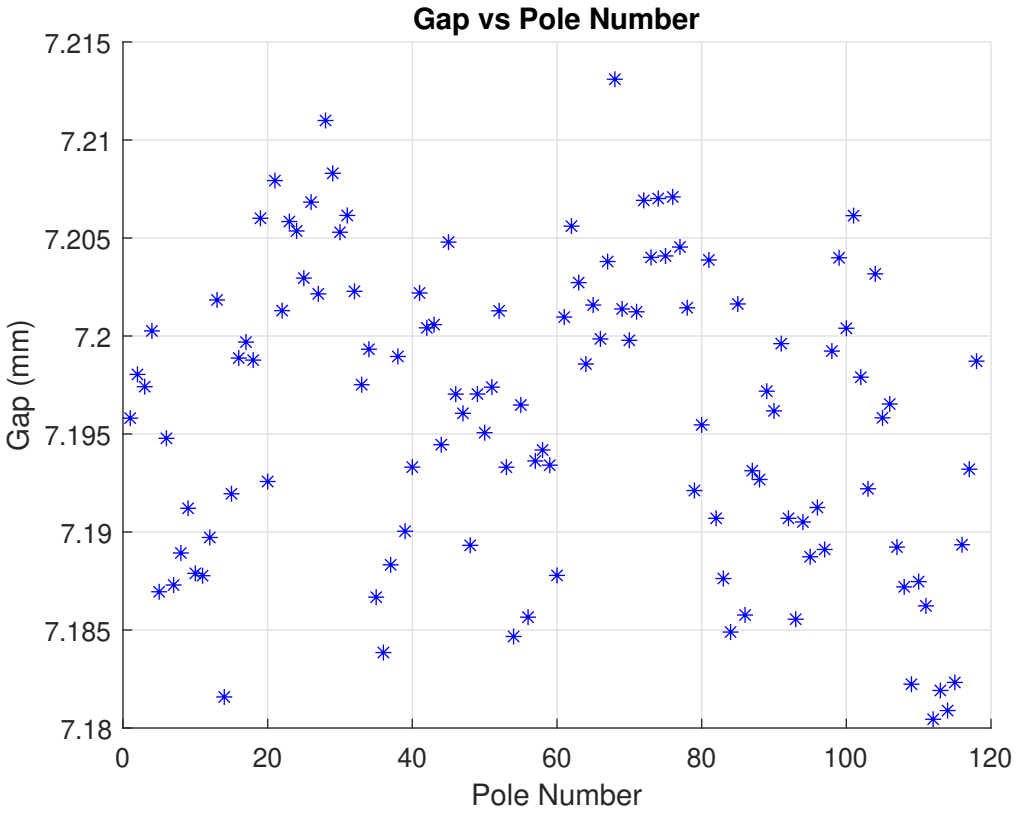
SLAC Magnetic Measurements#
Date: 09-01-2022#
Time: 14:24:20#

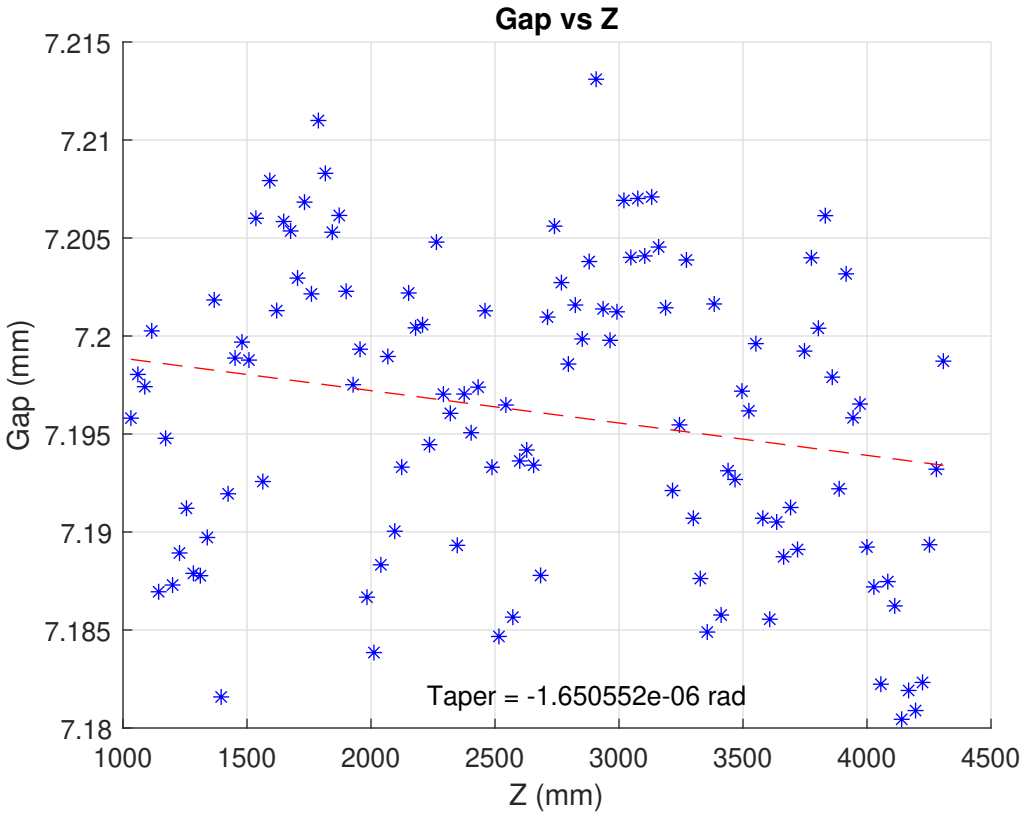

Upper Jaw Pole Y-Positions vs Pole Number
Y (mm)
3.6
3.59
3.58
3.57
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Y-Positions vs Pole Number
Y (mm)
-3.59
-3.6
-3.61
-3.62
0
20
40
60
80
100
120
Pole Number

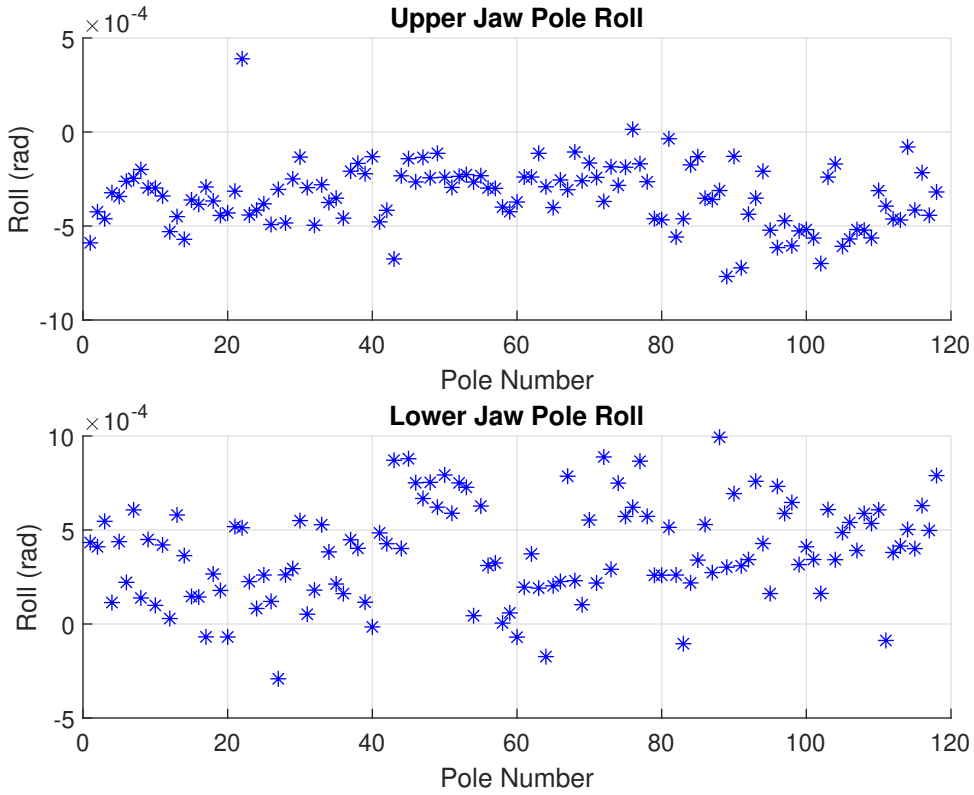

Upper Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Upper Jaw Pitch = -6.791896e-07 rad
Lower Jaw Pole Y-Positions vs Z
Y (mm)
Z (mm)
Lower Jaw Pitch = 9.713625e-07 rad

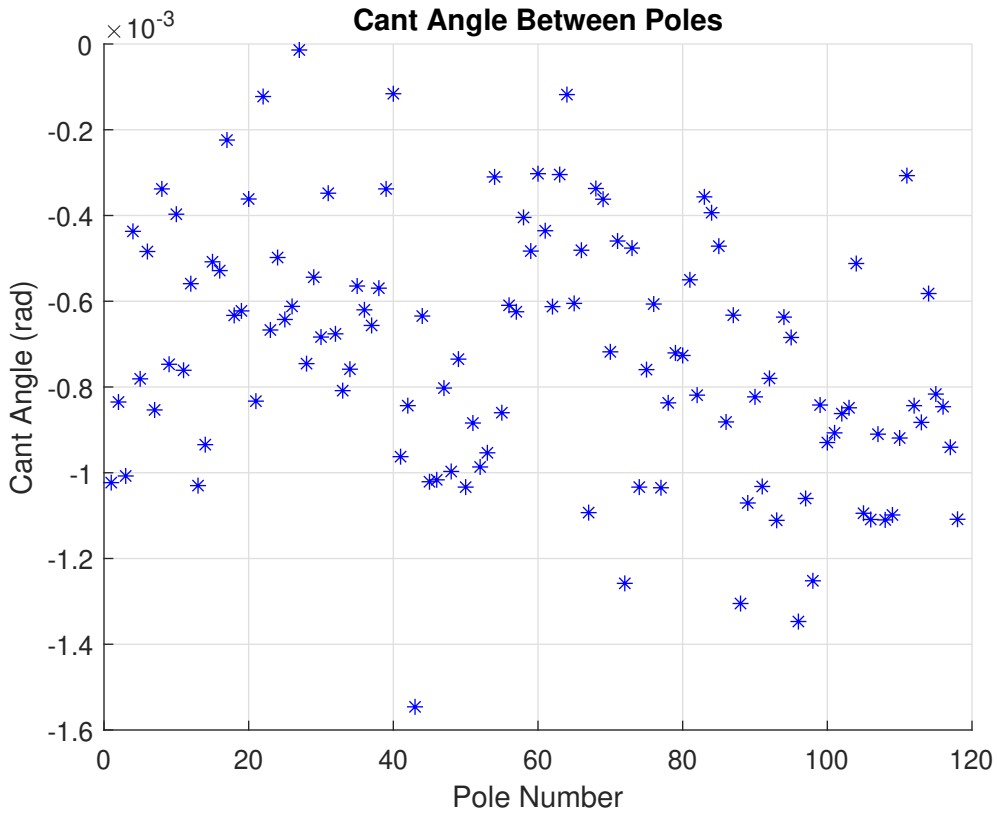

Midplane Height vs Pole Number
×10-3
5
0
-5
-10
-15
-20
Ymid (mm)
0
20
40
60
80
100
120
Pole Number


Midplane Height vs Z
×10-3
5
0
-5
-10
-15
-20
Ymid (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Pitch = 1.460864e-07 rad


Gap vs Pole Number
Gap (mm)
Pole Number
7.215
7.21
7.205
7.2
7.195
7.19
7.185
7.18
0
20
40
60
80
100
120


Gap vs Z
7.215
7.21
7.205
7.2
7.195
7.19
7.185
7.18
Gap (mm)
1000
1500
2000
2500
3000
3500
4000
4500
Z (mm)
Taper = -1.650552e-06 rad


Upper Jaw Pole Roll
×10^-4
5
0
-5
-10
Roll (rad)
0
20
40
60
80
100
120
Pole Number
Lower Jaw Pole Roll
×10^-4
10
5
0
-5
Roll (rad)
0
20
40
60
80
100
120
Pole Number


Cant Angle Between Poles
×10-3
0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
Cant Angle (rad)
0
20
40
60
80
100
120
Pole Number