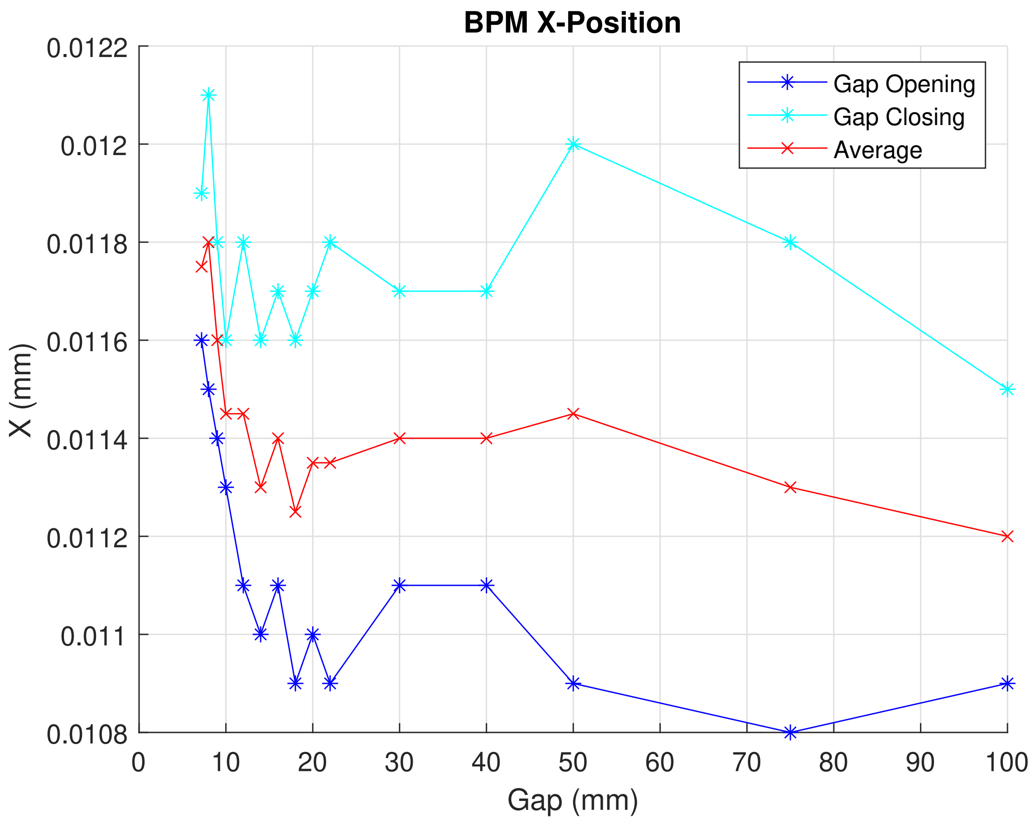
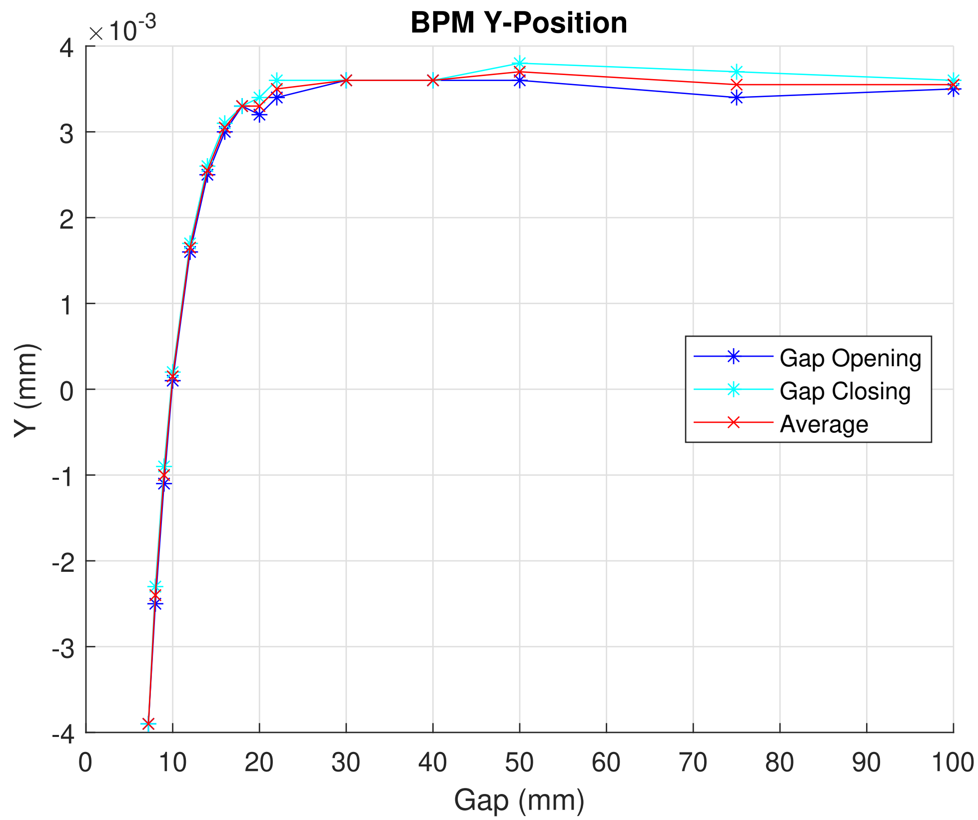
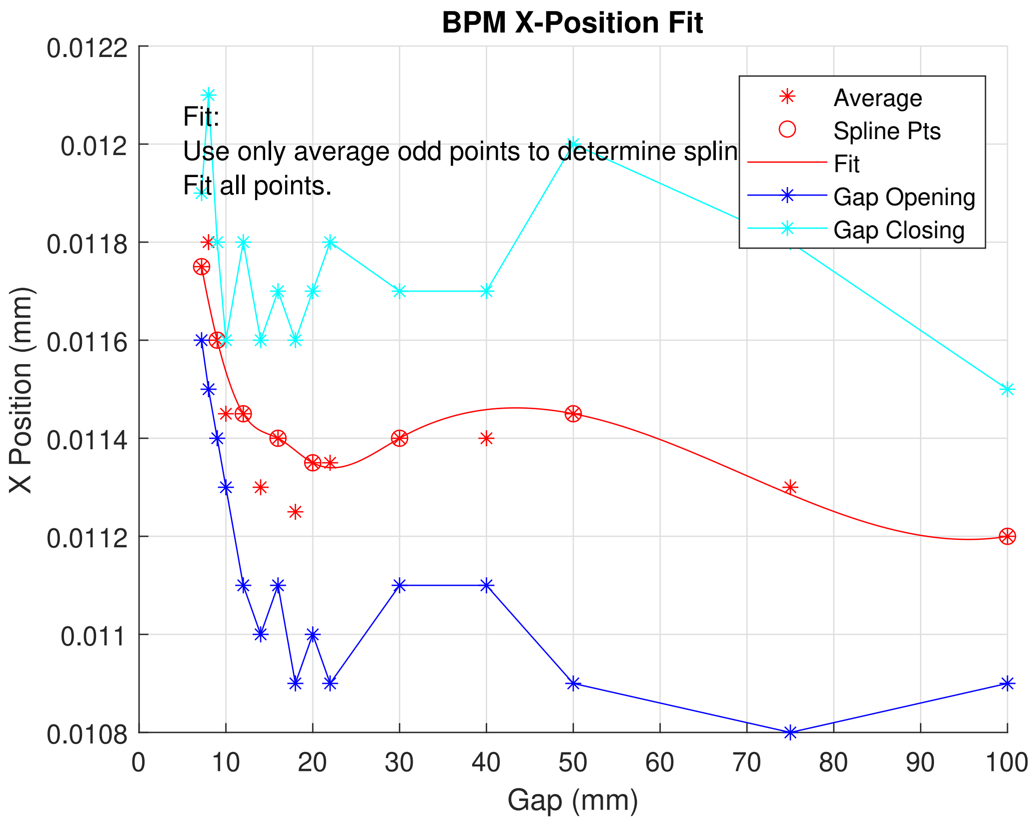
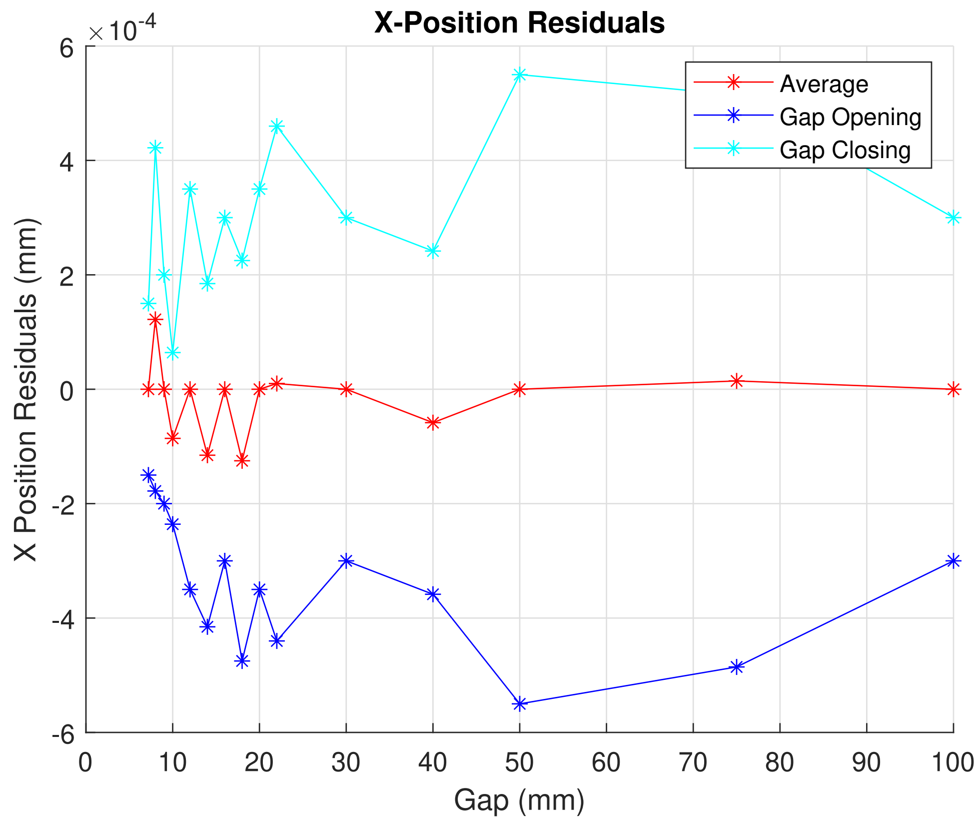
SLAC Magnetic Measurements#
Date: 03-24-2020#
Time: 12:57:04#

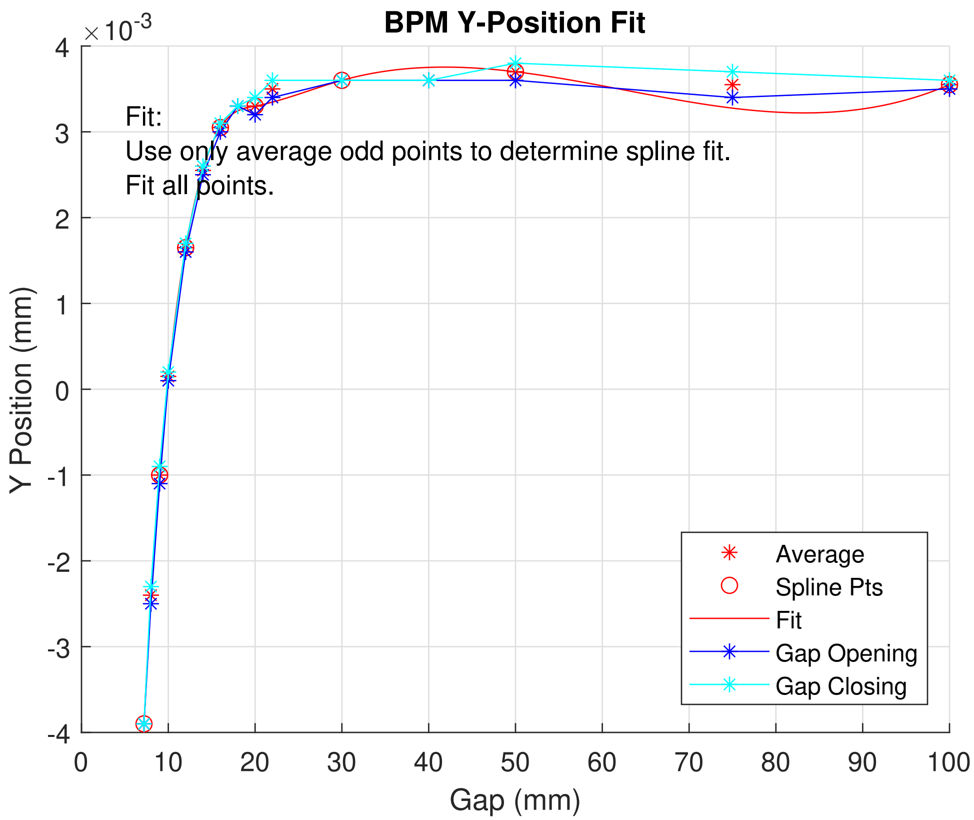

BPM X-Position
Gap Opening
Gap Closing
Average
X (mm)
Gap (mm)
0.0122
0.012
0.0118
0.0116
0.0114
0.0112
0.011
0.0108
0
10
20
30
40
50
60
70
80
90
100

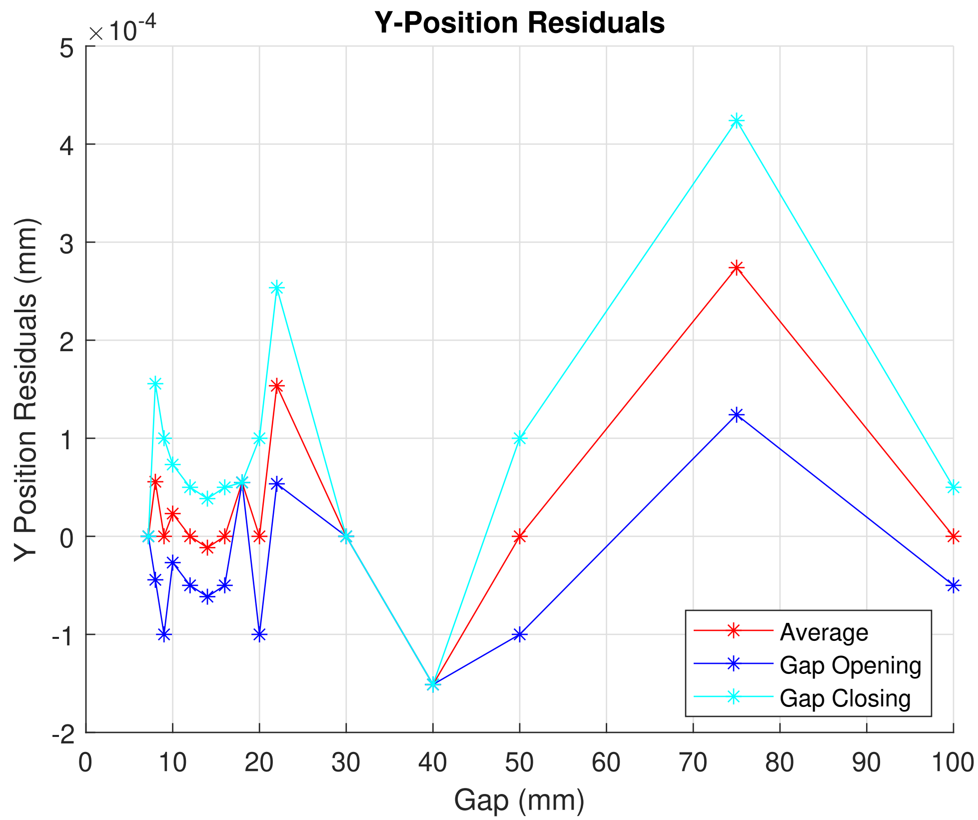

BPM Y-Position
×10^-3
4
3
2
1
0
-1
-2
-3
-4
Y (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Gap Opening
Gap Closing
Average

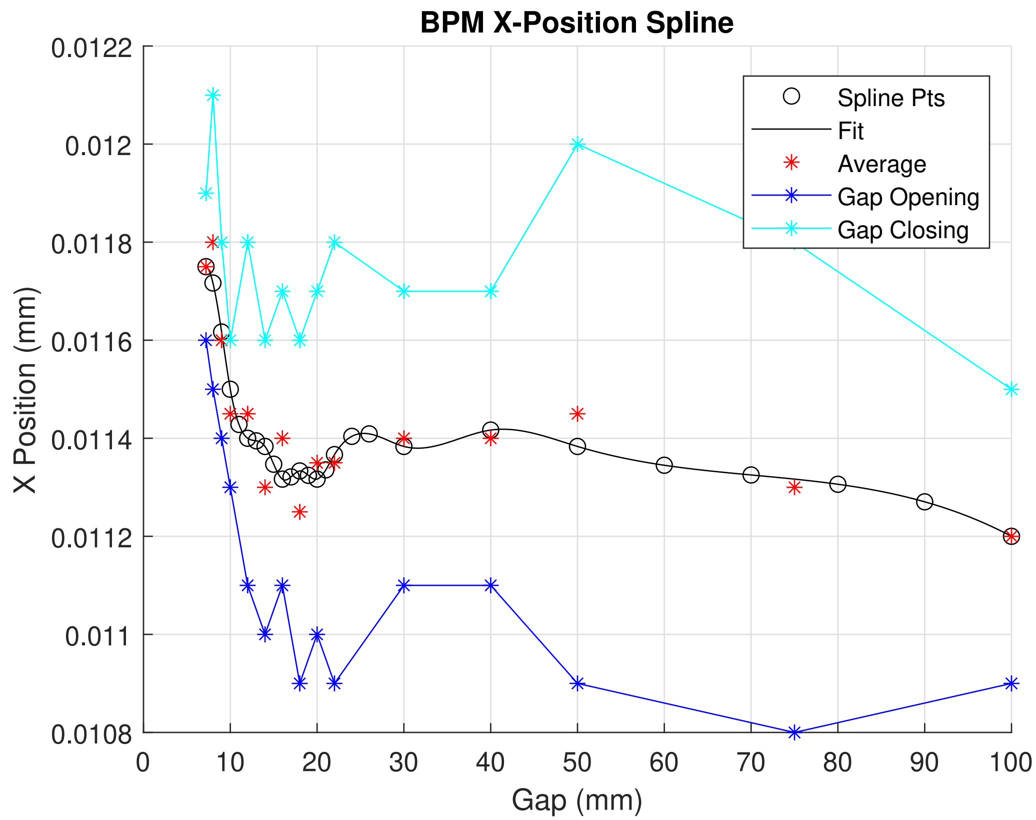


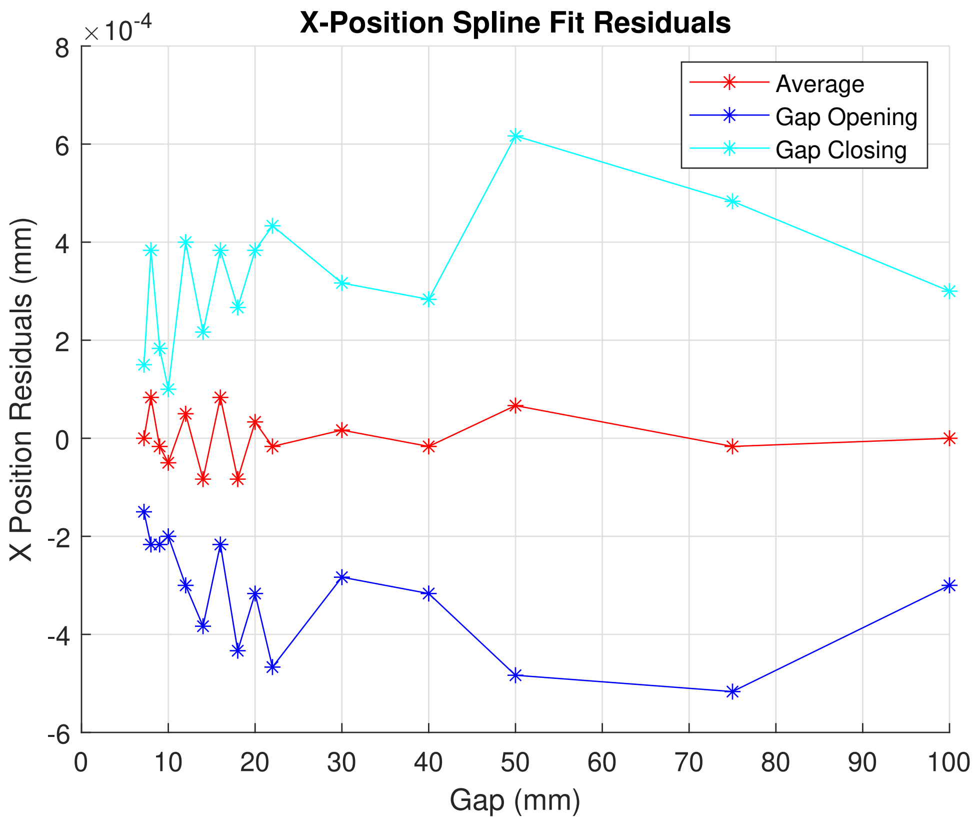
BPM X-Position Fit
Fit:
Use only average odd points to determine splin
Fit all points.
Average
Spline Pts
Fit
Gap Opening
Gap Closing
X Position (mm)
Gap (mm)
0.0122
0.012
0.0118
0.0116
0.0114
0.0112
0.011
0.0108
0
10
20
30
40
50
60
70
80
90
100


X-Position Residuals
×10^-4
6
4
2
0
-2
-4
-6
X Position Residuals (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Average
Gap Opening
Gap Closing

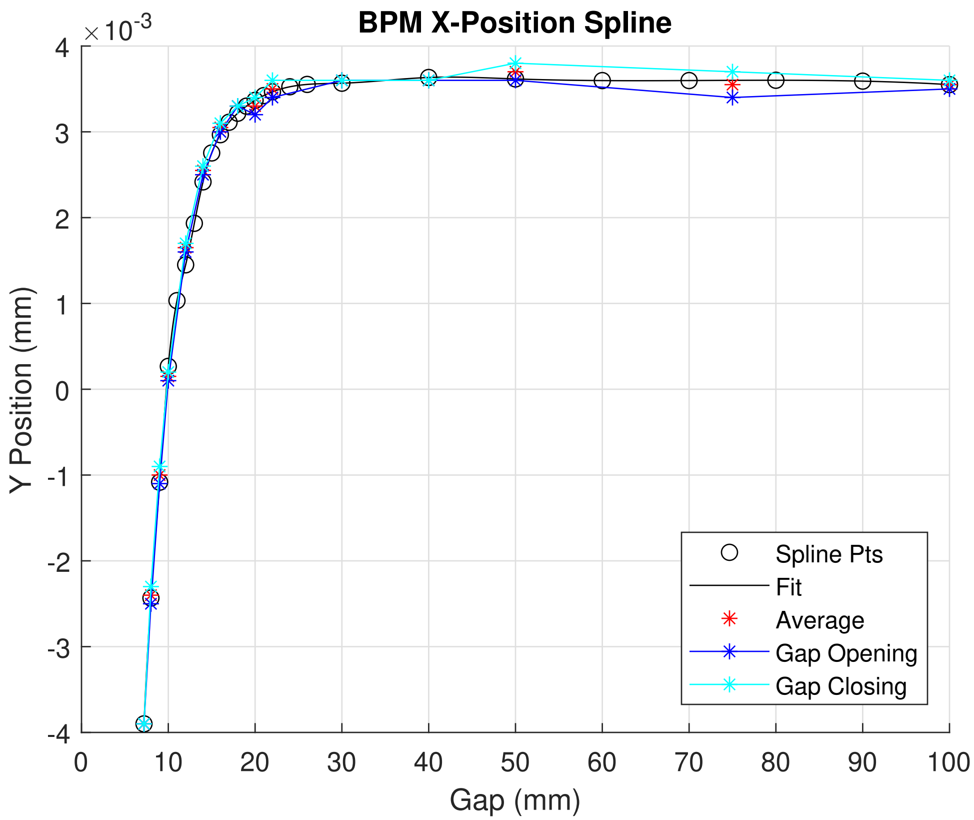

BPM Y-Position Fit
×10^-3
Fit:
Use only average odd points to determine spline fit.
Fit all points.
Average
Spline Pts
Fit
Gap Opening
Gap Closing
Y Position (mm)
Gap (mm)
4
3
2
1
0
-1
-2
-3
-4
0
10
20
30
40
50
60
70
80
90
100


Y-Position Residuals
×10^-4
5
4
3
2
1
0
-1
-2
Y Position Residuals (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Average
Gap Opening
Gap Closing

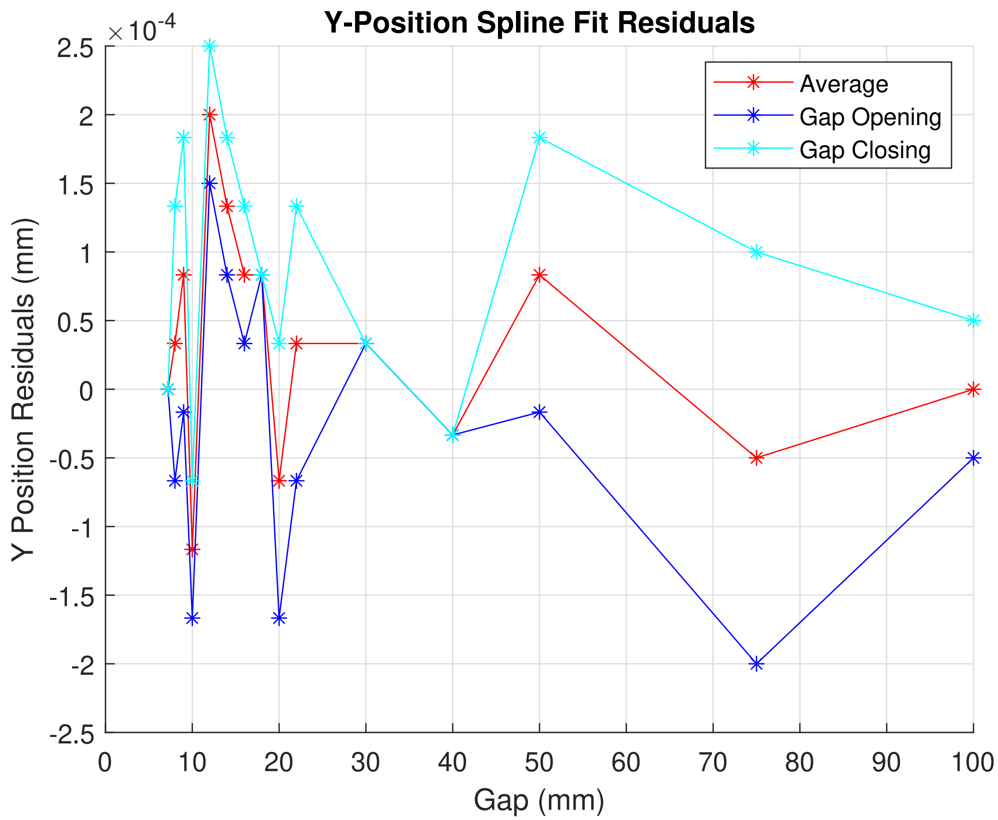

BPM X-Position Spline
X Position (mm)
Gap (mm)
0.0122
0.012
0.0118
0.0116
0.0114
0.0112
0.011
0.0108
0
10
20
30
40
50
60
70
80
90
100
Spline Pts
Fit
Average
Gap Opening
Gap Closing



X-Position Spline Fit Residuals
×10^-4
8
6
4
2
0
-2
-4
-6
X Position Residuals (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Average
Gap Opening
Gap Closing



BPM X-Position Spline
×10^-3
4
3
2
1
0
-1
-2
-3
-4
Y Position (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Spline Pts
Fit
Average
Gap Opening
Gap Closing



Y-Position Spline Fit Residuals
×10^-4
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
Y Position Residuals (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Average
Gap Opening
Gap Closing