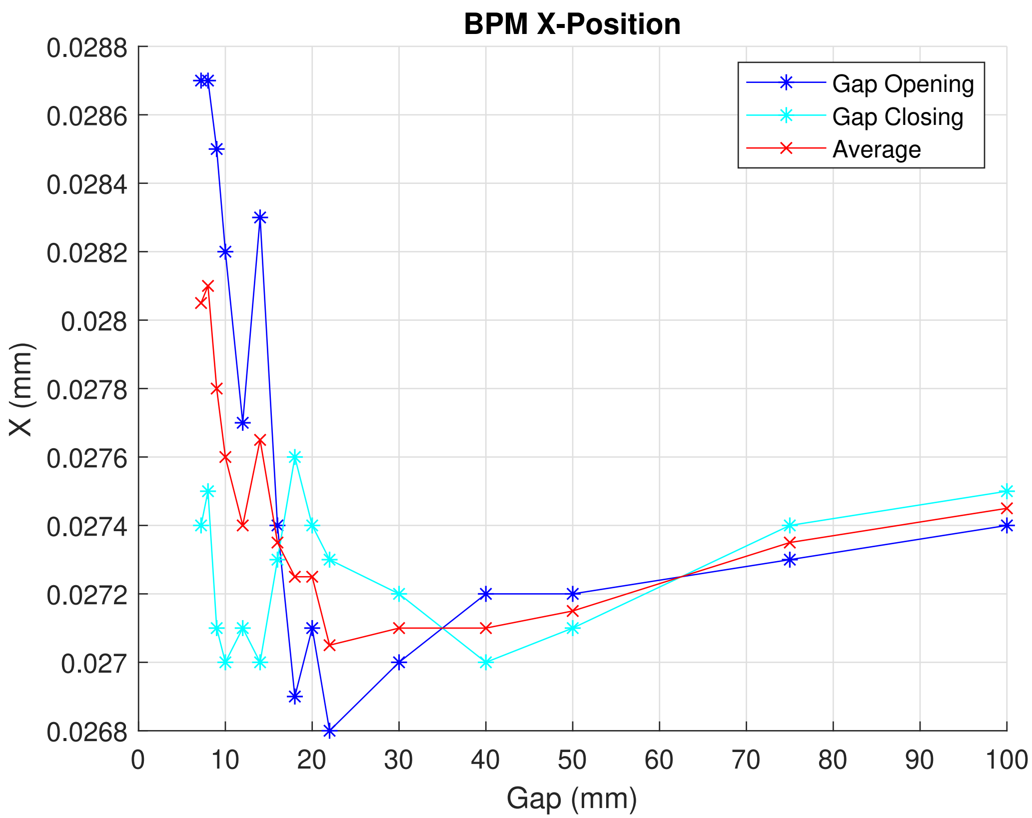
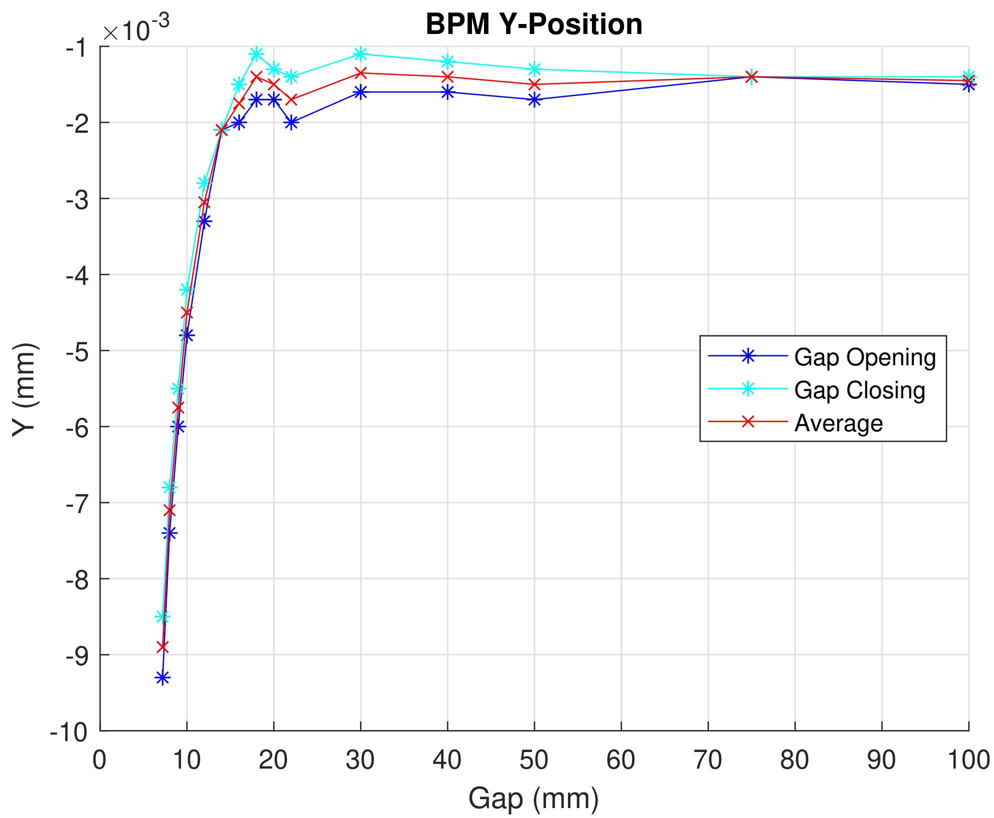
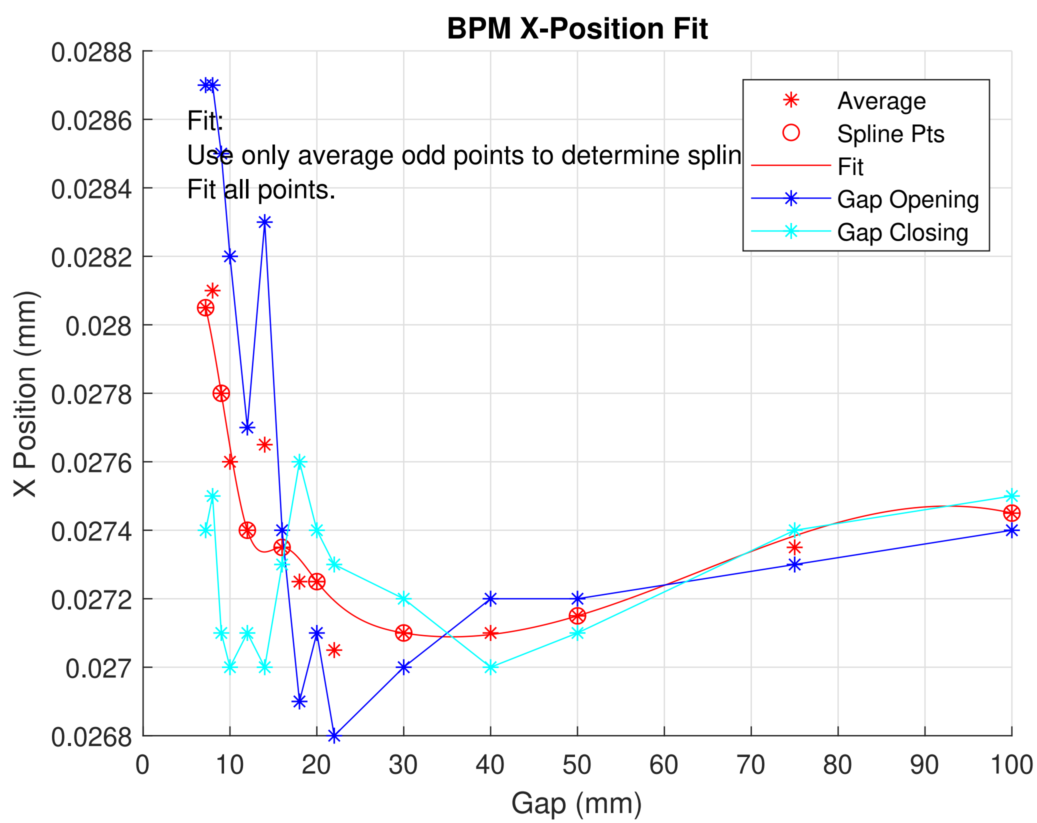
SLAC Magnetic Measurements#
Date: 06-26-2020#
Time: 16:25:00#

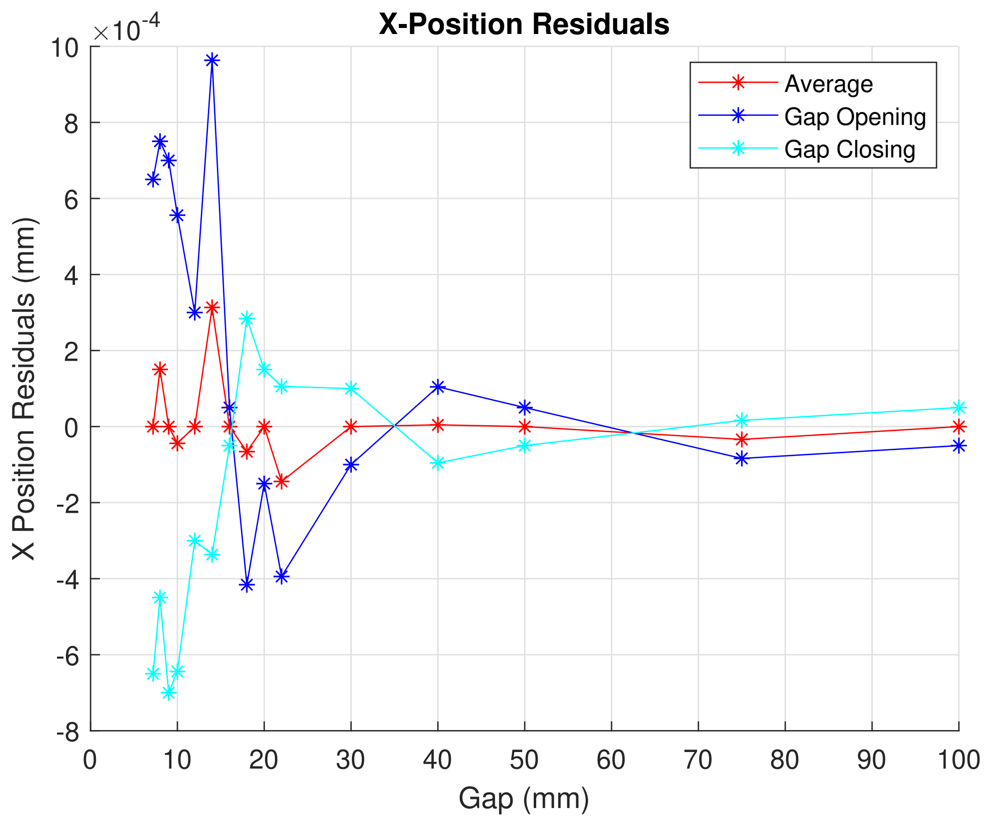

BPM X-Position
Gap Opening
Gap Closing
Average
X (mm)
Gap (mm)
0.0288
0.0286
0.0284
0.0282
0.028
0.0278
0.0276
0.0274
0.0272
0.027
0.0268
0
10
20
30
40
50
60
70
80
90
100



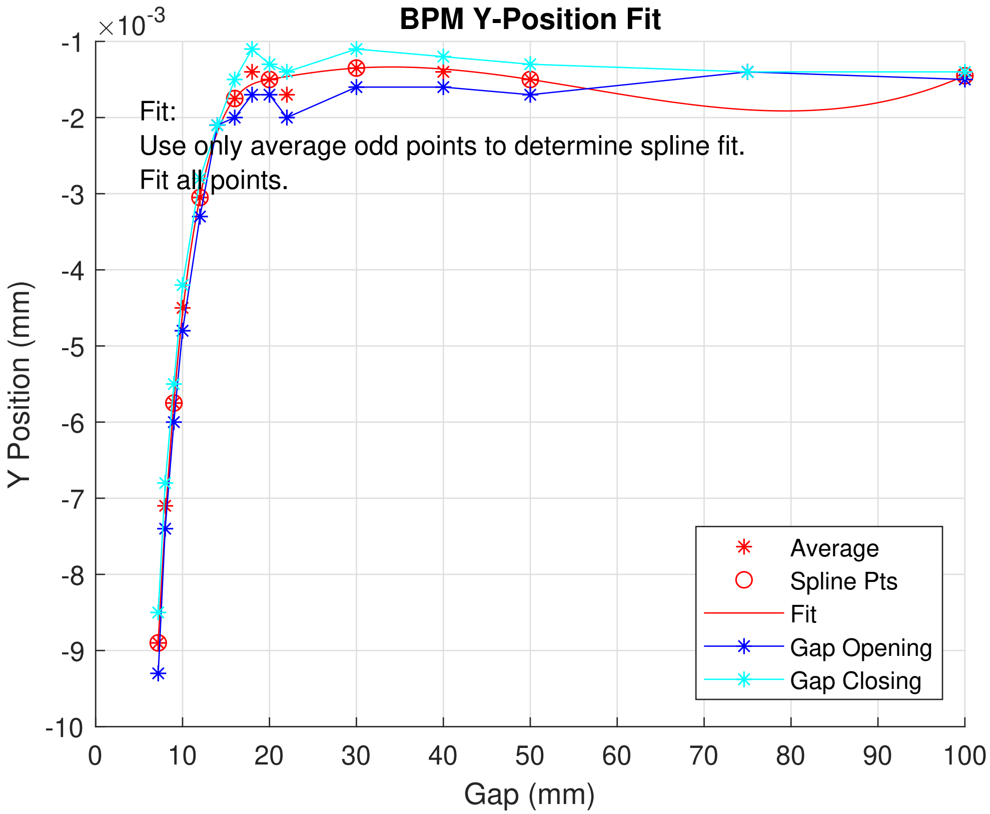
BPM Y-Position
×10^-3
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
Y (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Gap Opening
Gap Closing
Average



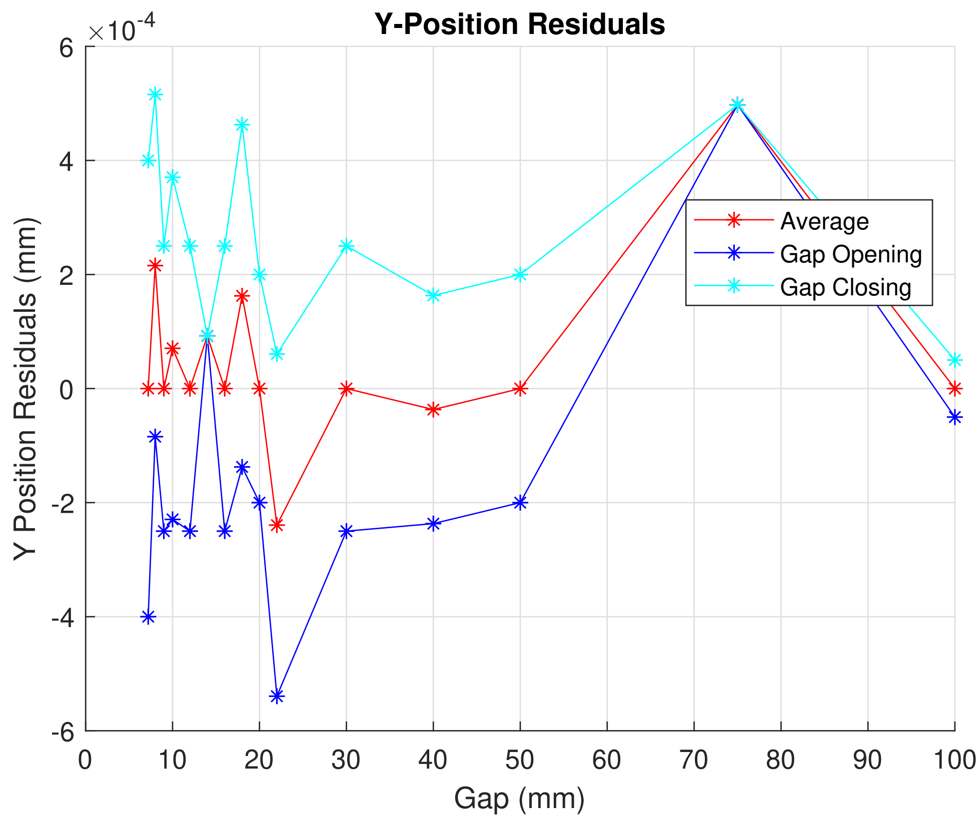
BPM X-Position Fit
Fit:
Use only average odd points to determine splin
Fit all points.
Average
Spline Pts
Fit
Gap Opening
Gap Closing
X Position (mm)
Gap (mm)
0.0288
0.0286
0.0284
0.0282
0.028
0.0278
0.0276
0.0274
0.0272
0.027
0.0268
0
10
20
30
40
50
60
70
80
90
100



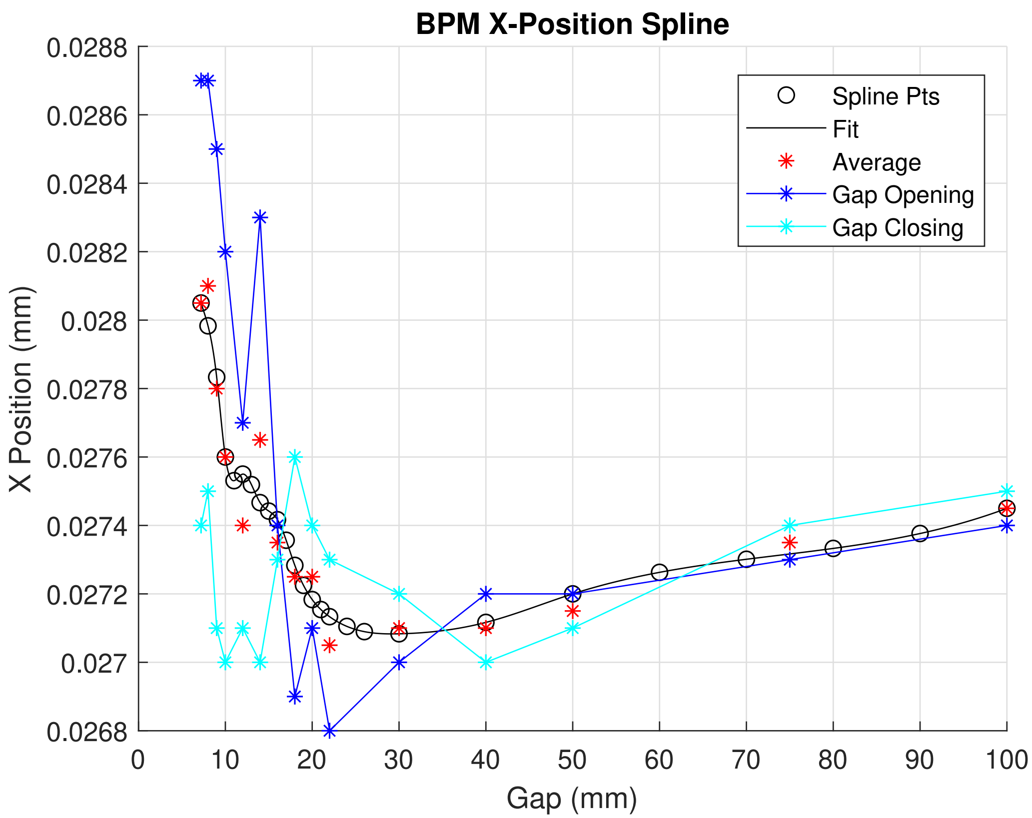
X-Position Residuals
×10^-4
Average
Gap Opening
Gap Closing
X Position Residuals (mm)
Gap (mm)
10
8
6
4
2
0
-2
-4
-6
-8
0
10
20
30
40
50
60
70
80
90
100



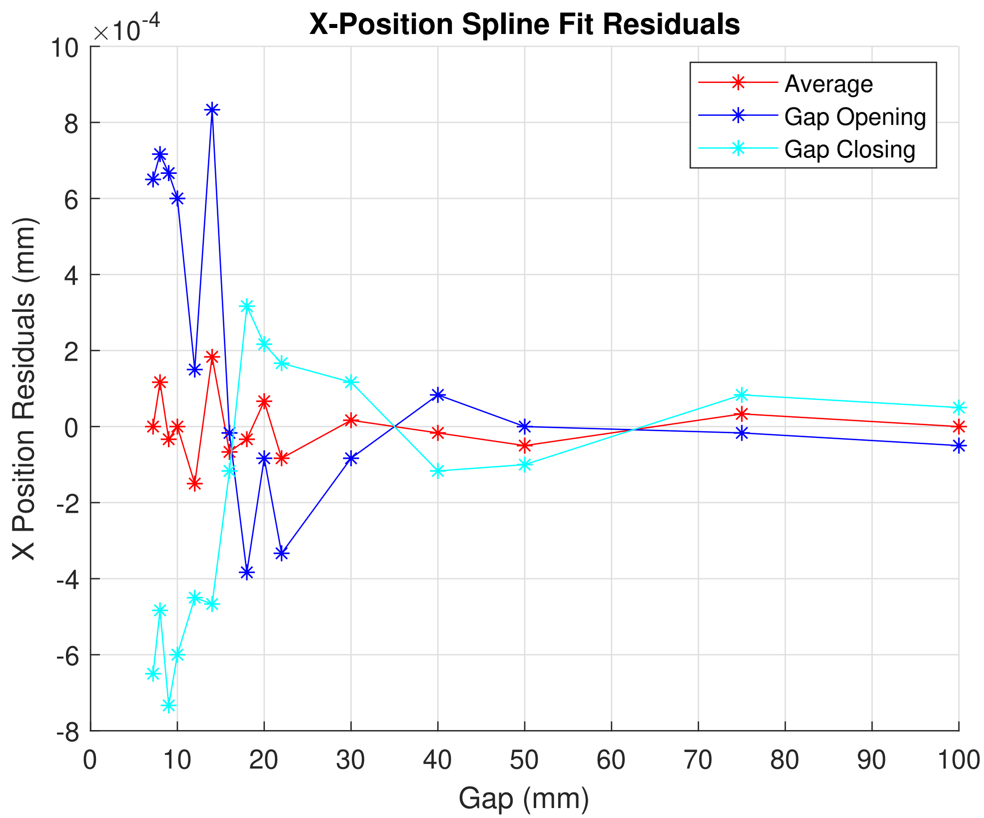
BPM Y-Position Fit
×10^-3
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
Y Position (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Fit:
Use only average odd points to determine spline fit.
Fit all points.
Average
Spline Pts
Fit
Gap Opening
Gap Closing



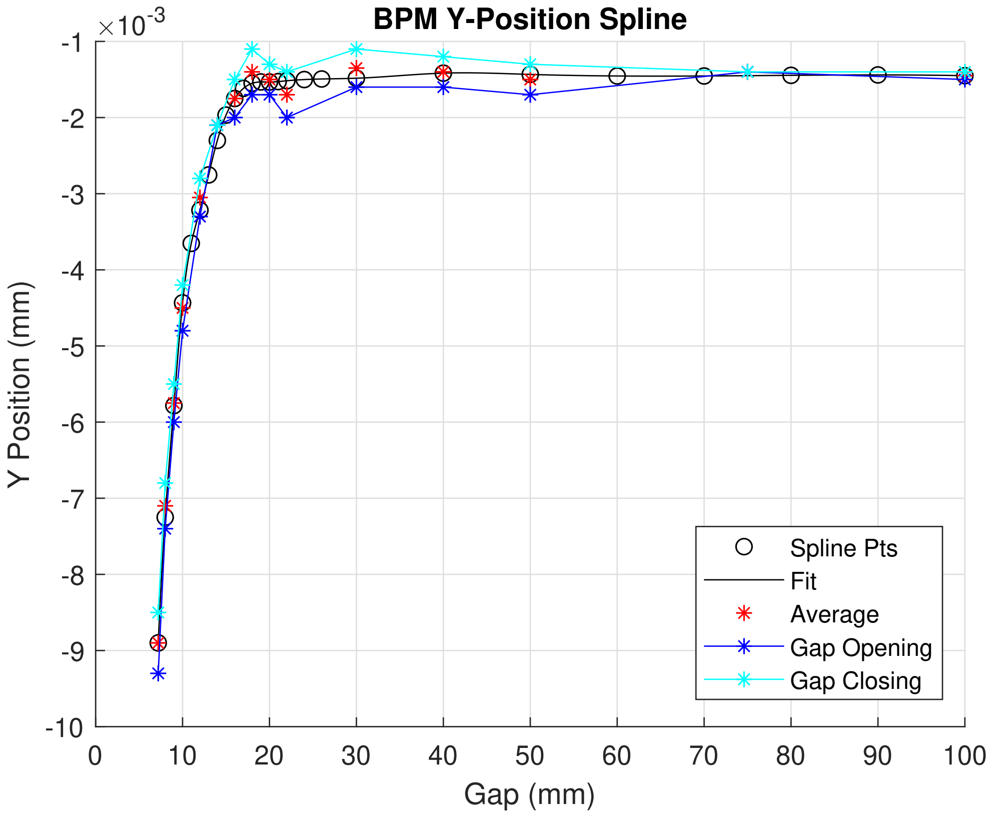
Y-Position Residuals
×10^-4
6
4
2
0
-2
-4
-6
Y Position Residuals (mm)
0
10
20
30
40
50
60
70
80
90
100
Gap (mm)
Average
Gap Opening
Gap Closing



BPM X-Position Spline
X Position (mm)
Gap (mm)
0.0288
0.0286
0.0284
0.0282
0.028
0.0278
0.0276
0.0274
0.0272
0.027
0.0268
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
10
8
6
4
2
0
-2
-4
-6
-8
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 Spline
$\times 10^{-3}$
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
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
Y Position Residuals (mm)
Gap (mm)
Average
Gap Opening
Gap Closing
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10
20
30
40
50
60
70
80
90
100