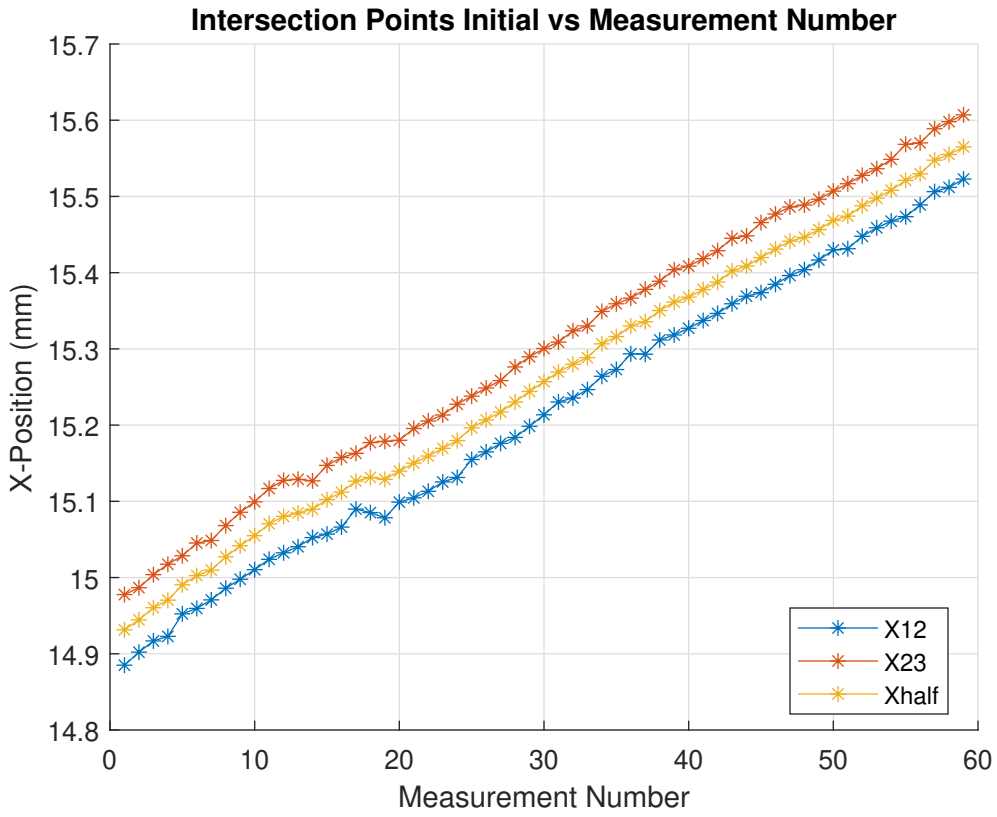
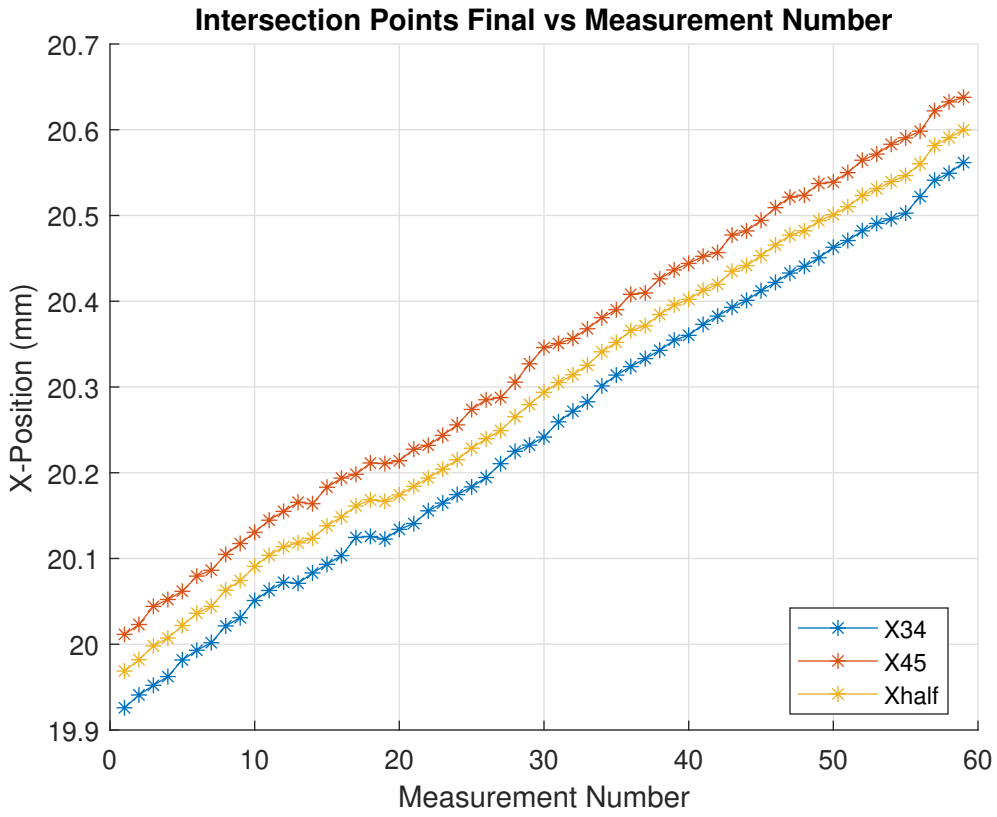
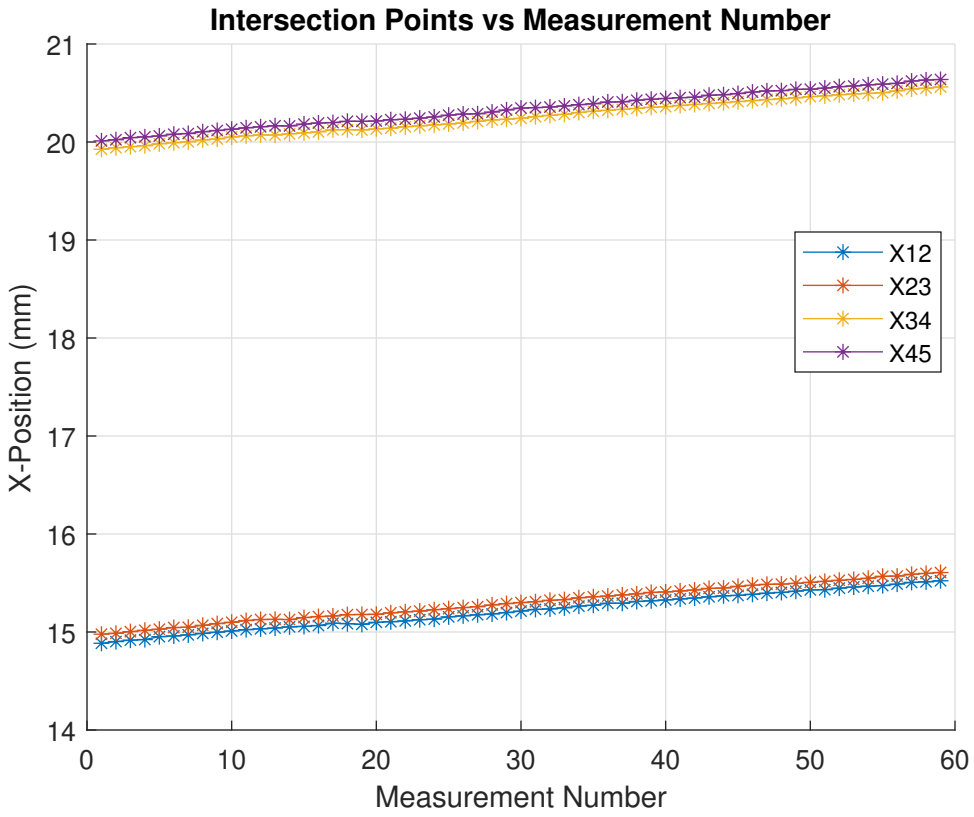
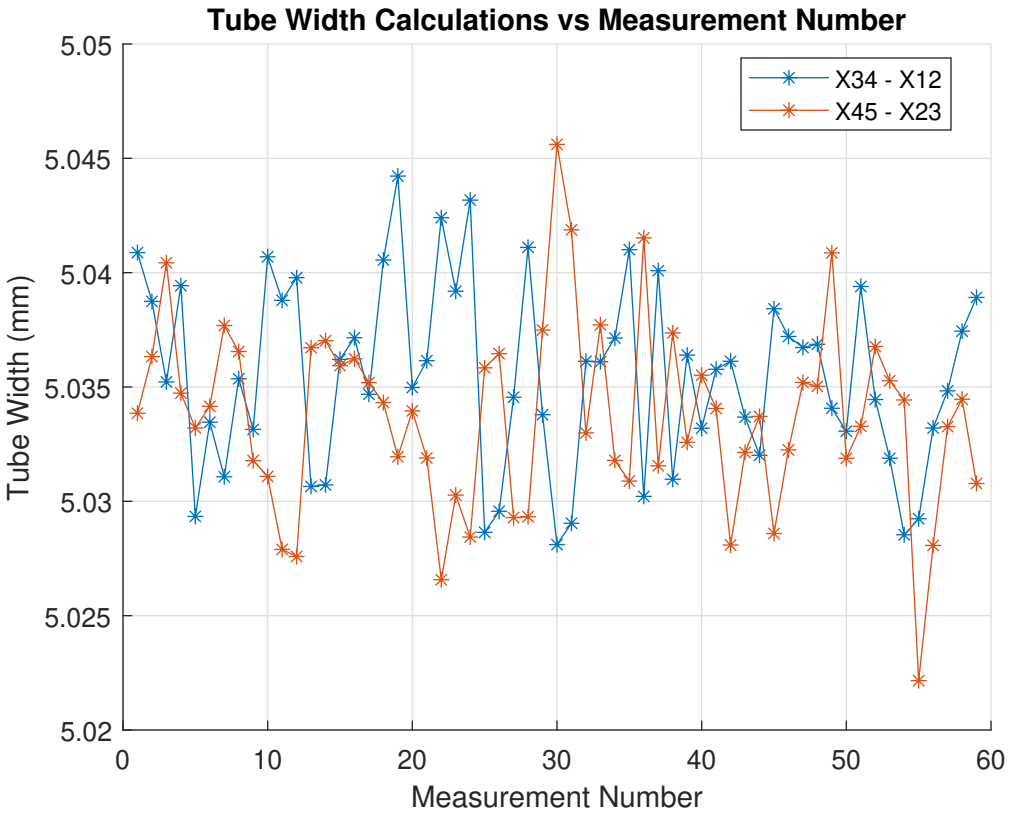
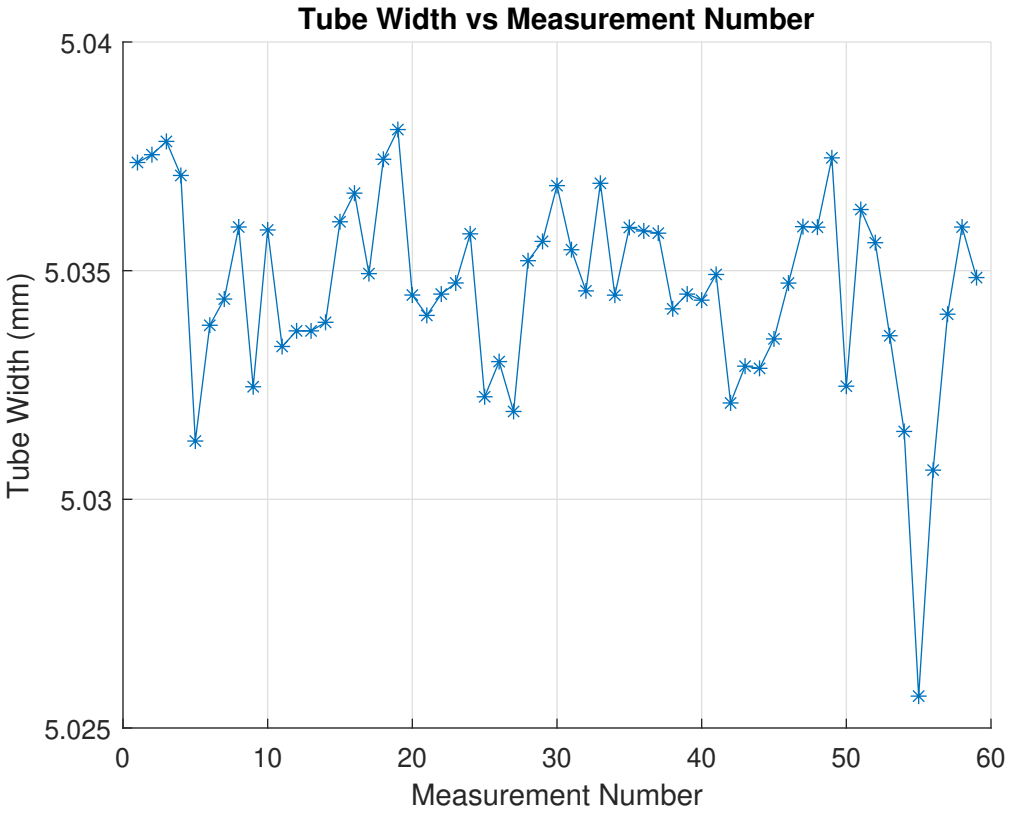
SLAC Magnetic Measurements#
Date: 08-28-2023#
Time: 20:52:37#

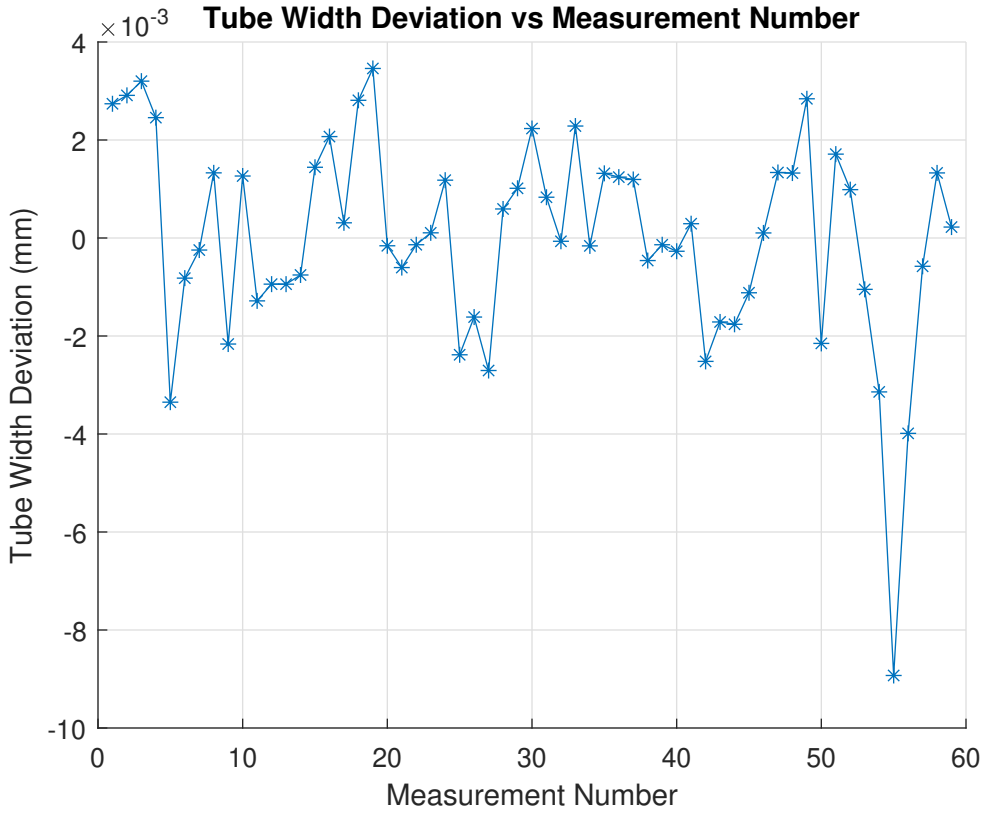

Intersection Points Initial vs Measurement Number
X-Position (mm)
Measurement Number
15.7
15.6
15.5
15.4
15.3
15.2
15.1
15
14.9
14.8
0
10
20
30
40
50
60
X12
X23
Xhalf

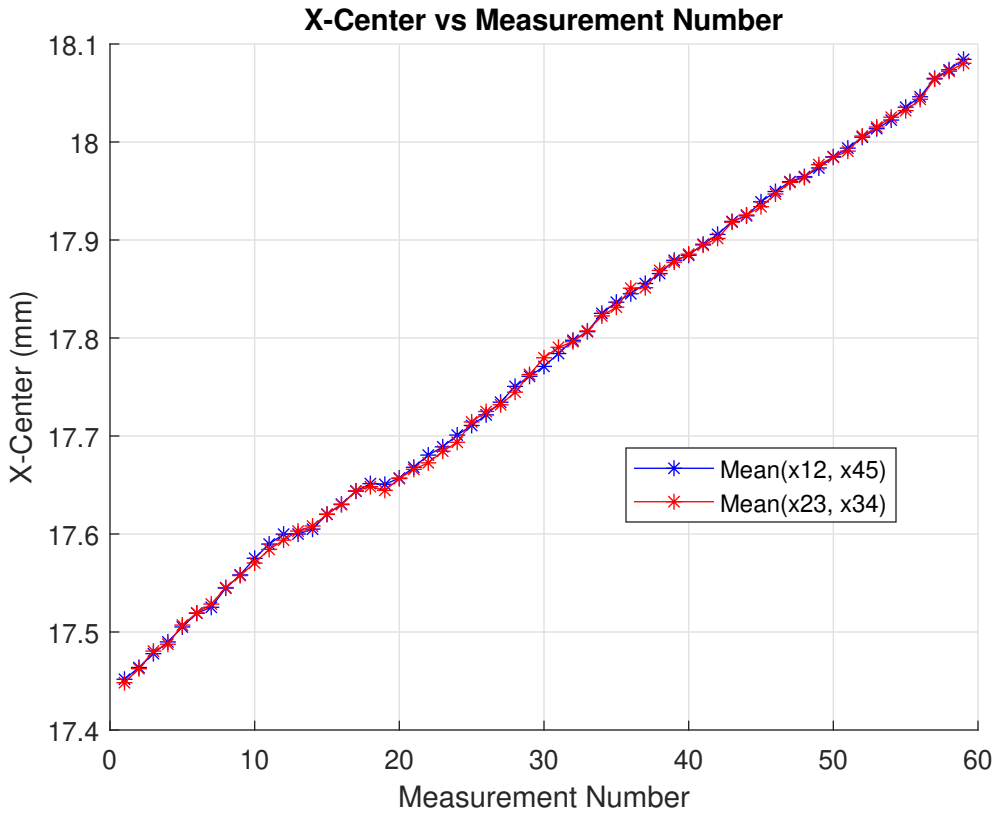

Intersection Points Final vs Measurement Number
X-Position (mm)
Measurement Number
20.7
20.6
20.5
20.4
20.3
20.2
20.1
20
19.9
0
10
20
30
40
50
60
X34
X45
Xhalf

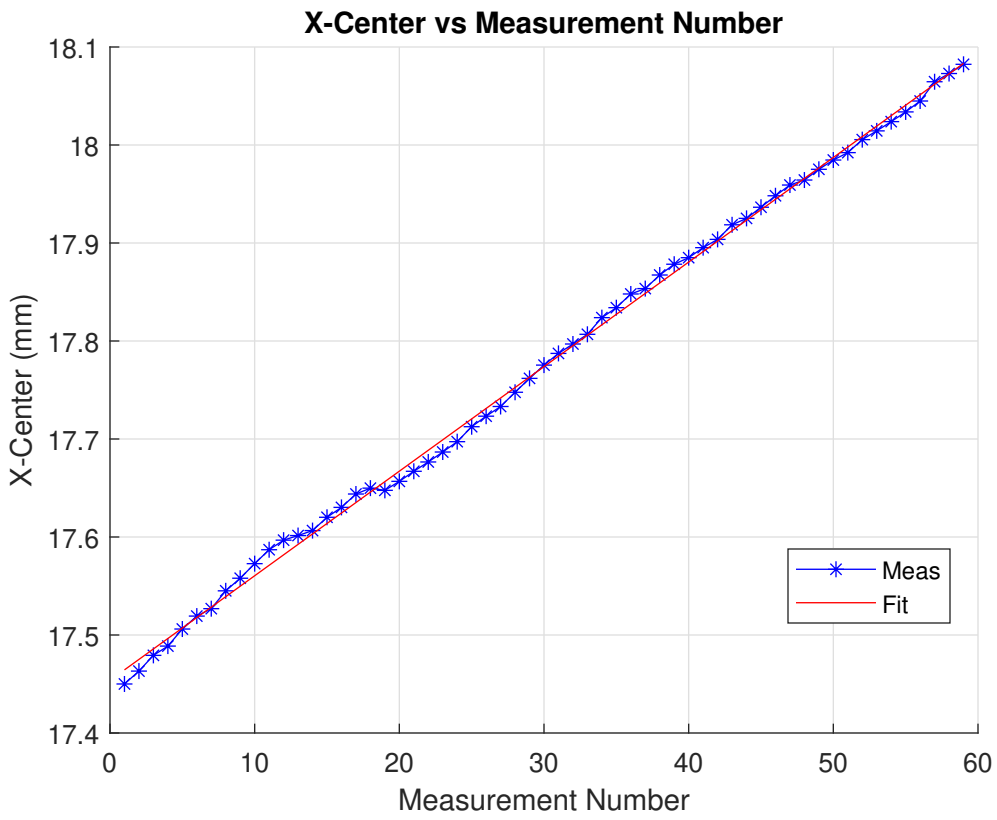

Intersection Points vs Measurement Number
X-Position (mm)
Measurement Number
21
20
19
18
17
16
15
14
0
10
20
30
40
50
60
X12
X23
X34
X45

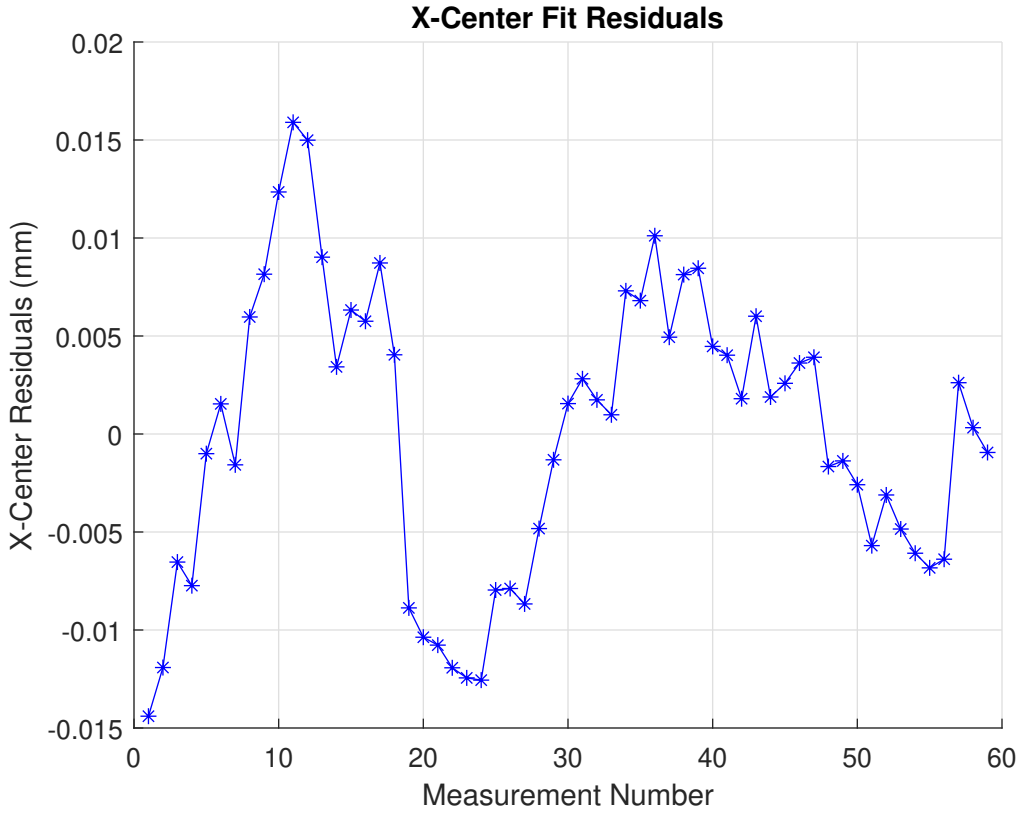

Tube Width Calculations vs Measurement Number
X34 - X12
X45 - X23
Tube Width (mm)
Measurement Number
5.05
5.045
5.04
5.035
5.03
5.025
5.02
0
10
20
30
40
50
60


Tube Width vs Measurement Number
Tube Width (mm)
5.04
5.035
5.03
5.025
0
10
20
30
40
50
60
Measurement Number


Tube Width Deviation vs Measurement Number
×10-3
4
2
0
-2
-4
-6
-8
-10
Tube Width Deviation (mm)
0
10
20
30
40
50
60
Measurement Number


X-Center vs Measurement Number
18.1
18
17.9
17.8
17.7
17.6
17.5
17.4
X-Center (mm)
0
10
20
30
40
50
60
Measurement Number
Mean(x12, x45)
Mean(x23, x34)


X-Center vs Measurement Number
18.1
18
17.9
17.8
17.7
17.6
17.5
17.4
X-Center (mm)
0
10
20
30
40
50
60
Measurement Number
Meas
Fit


X-Center Fit Residuals
X-Center Residuals (mm)
Measurement Number
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
0
10
20
30
40
50
60