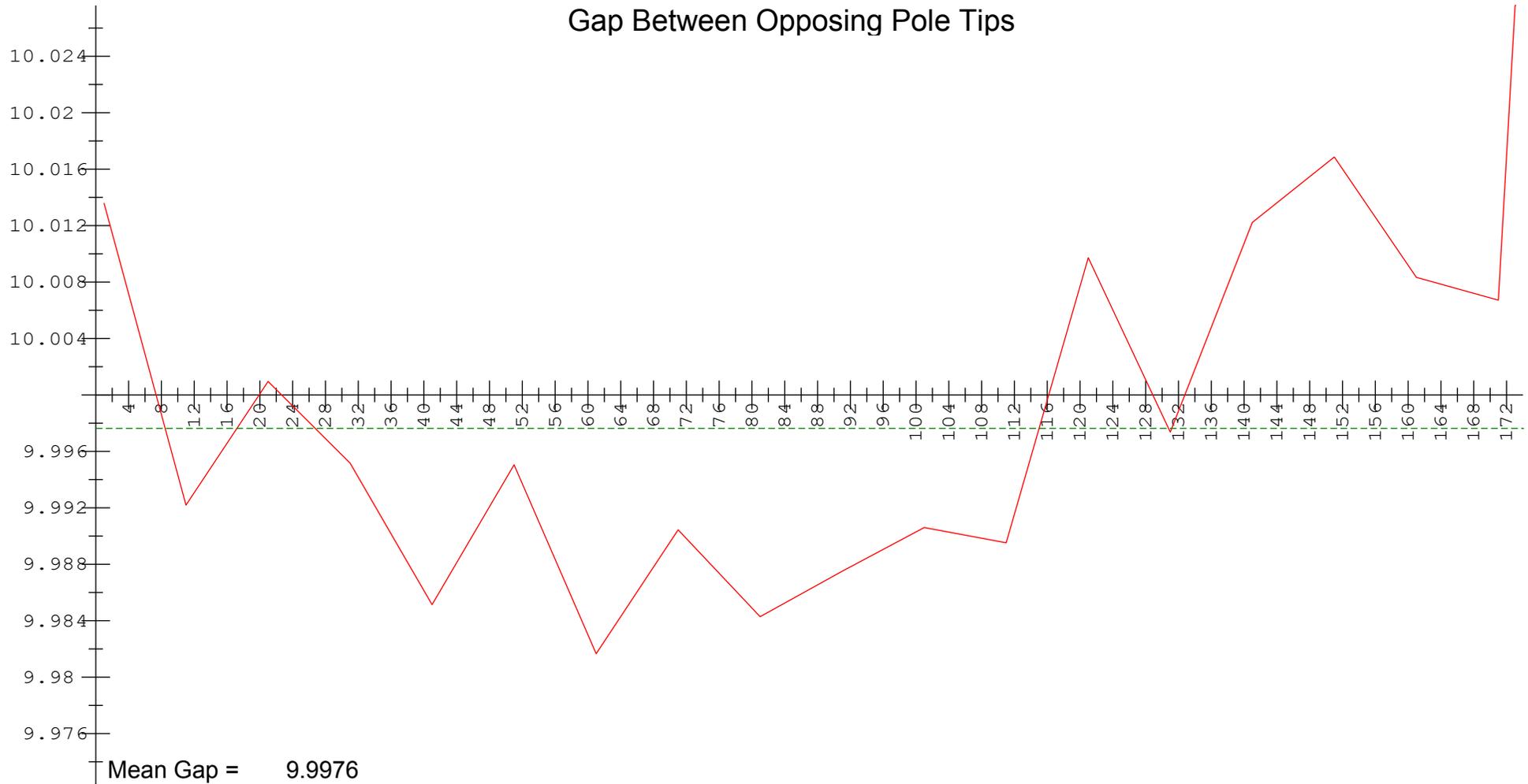


Y Value Scales Centered on Mean Values  
 Step Between Measured Pole Tips = 10

Regression Line Through Points = -----  
 Dimensions in mm

 <p><b>SLAC</b> NATIONAL ACCELERATOR LABORATORY METROLOGY</p>	<b>LCLS II - SXR Undulator</b>		19-APR-2018
	Nominal Gap = 10      Nominal Taper = 0.000		S/N = 009
	Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000		D/S = 0001
			Run = 4

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 10

Dimensions in mm

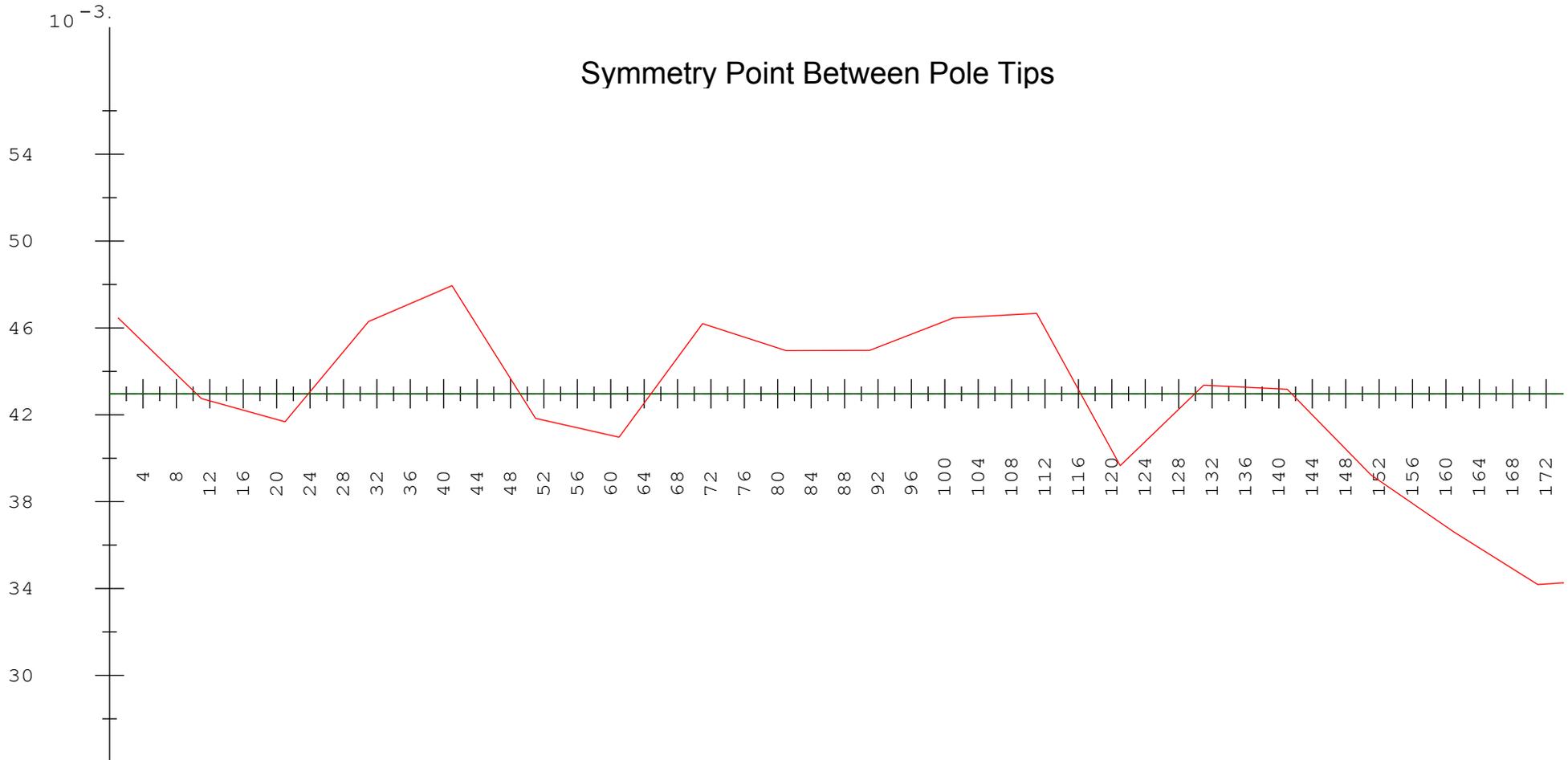


### LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

19-APR-2018  
 S/N = 009  
 D/S = 0001  
 Run = 4

### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0430

Step Between Measured Pole Tips = 10

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

19-APR-2018  
 S/N = 009  
 D/S = 0001  
 Run = 4

## Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 39)	DS Actuator (Pole 135)	Last Pole (Pole 174)
<b>Top</b>	5.0409	5.0415	5.0431	5.0437
<b>Bottom</b>	-4.9472	-4.9515	-4.9624	-4.9668
<b>Gap</b>	9.9882			10.0105
<b>Taper</b>				0.0223

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0418	-4.9558	9.9976	0.0430

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.421</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.001</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.006</b>
<b>Minimum Effective Gap</b>	<b>9.976</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 10                      Nominal Taper = 0.000  
 Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

19-APR-2018  
 S/N = 009  
 D/S= 0001  
 Run= 4