

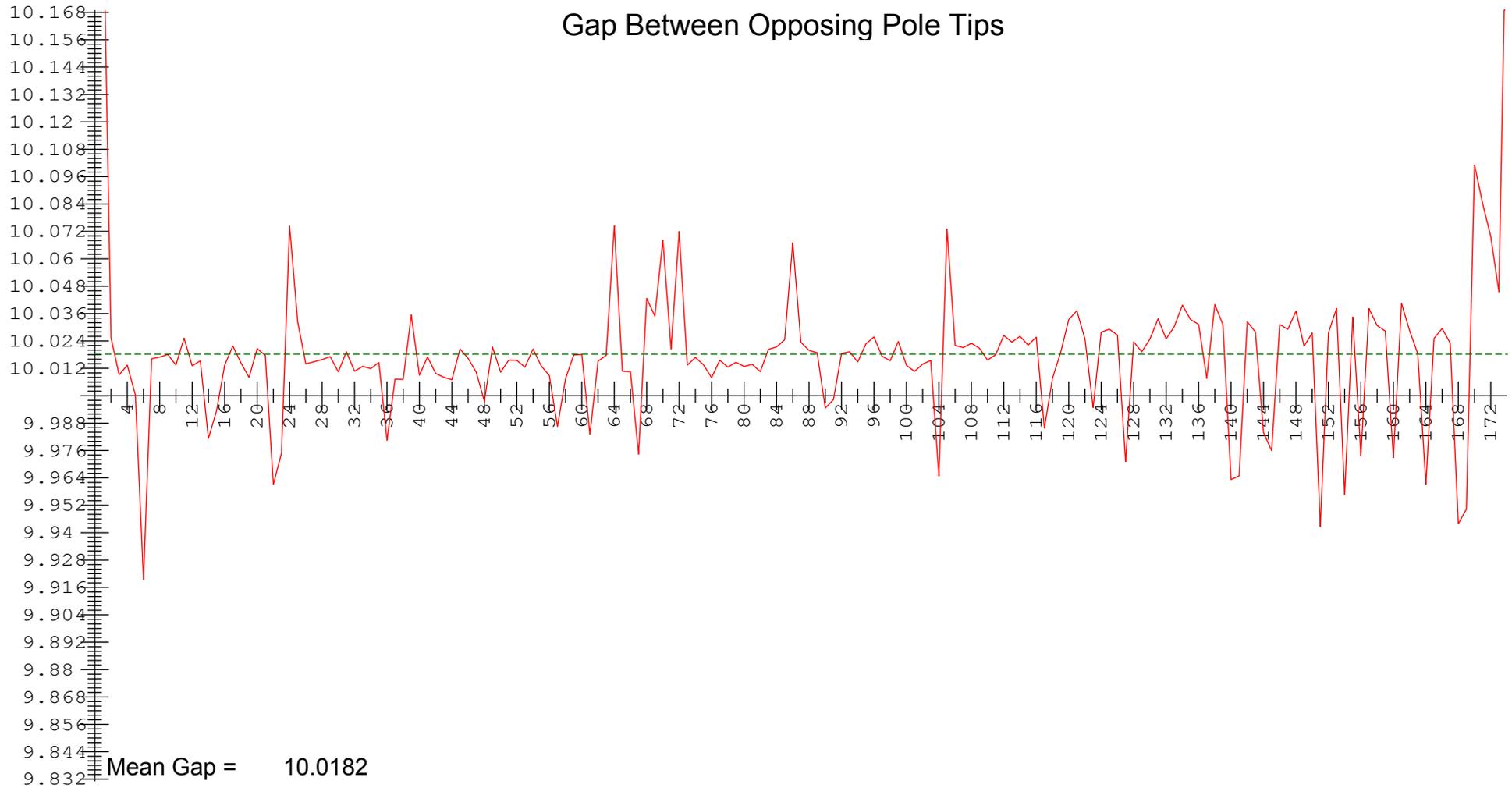
Minimum Effective Gap = 9.920

Y Value Scales Centered on Mean Values  
 Step Between Measured Pole Tips = 1

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

	<b>LCLS II - SXR Undulator</b>		29-APR-2019
	Nominal Gap = 10	Nominal Taper = 0.000	S/N = 003
Gap Reading = 10.0000	US Encoder = 10.0000	DS Encoder = 10.0000	D/S = 0002
			Run = 17

# Gap Between Opposing Pole Tips



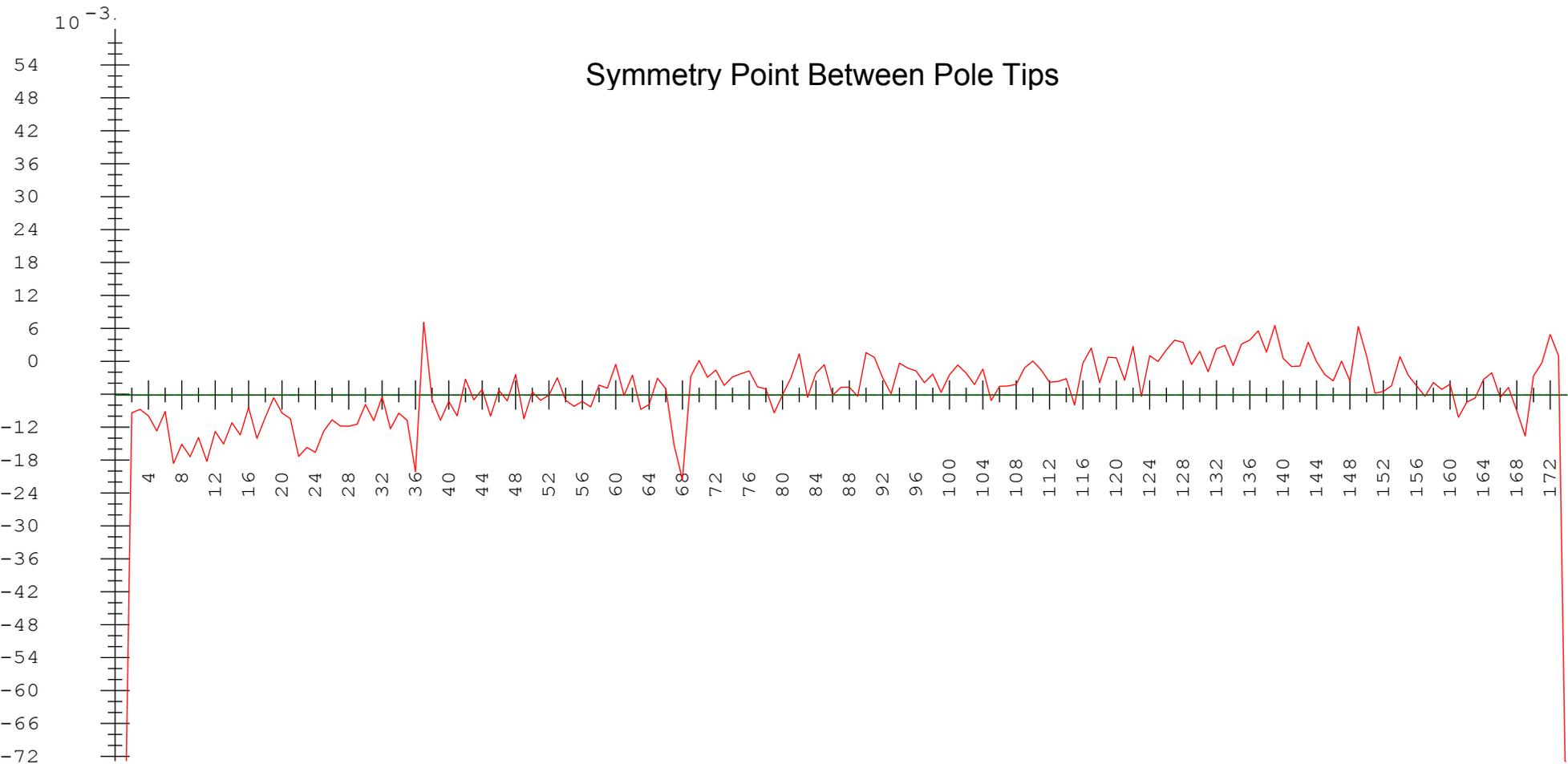
Step Between Measured Pole Tips = 1

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

29-APR-2019  
 S/N = 003  
 D/S = 0002  
 Run = 17



Mean Symmetry Value = -0.0061

Step Between Measured Pole Tips = 1

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

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## 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>	4.9943	4.9981	5.0077	5.0116
<b>Bottom</b>	-5.0188	-5.0172	-5.0133	-5.0117
<b>Gap</b>	10.0131			10.0233
<b>Taper</b>				0.0102

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0030	-5.0152	10.0182	-0.0061

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.492</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.005</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.002</b>
<b>Minimum Effective Gap</b>	<b>9.920</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

29-APR-2019  
 S/N = 003  
 D/S= 0002  
 Run= 17