

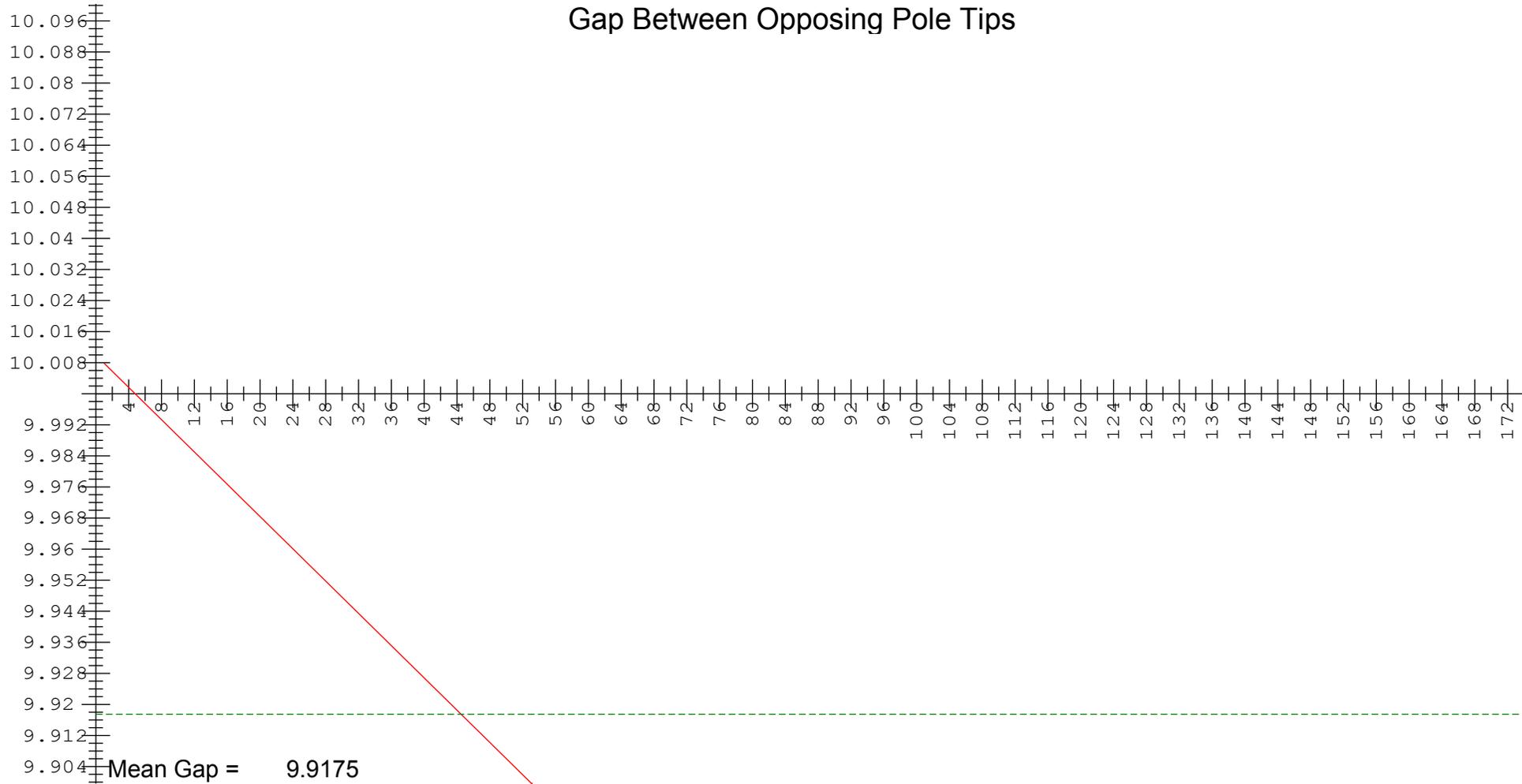
Minimum Effective Gap = 9.713

Y Value Scales Centered on Mean Values  
 Step Between Measured Pole Tips = 87

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

	<b>LCLS II - SXR Undulator</b>		12-AUG-2019
	Nominal Gap = 10	Nominal Taper = 0.000	S/N = 001
	Gap Reading = 0.0000	US Encoder = 0.0000	D/S = 0007
		DS Encoder = 0.0000	Run = 42

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 87

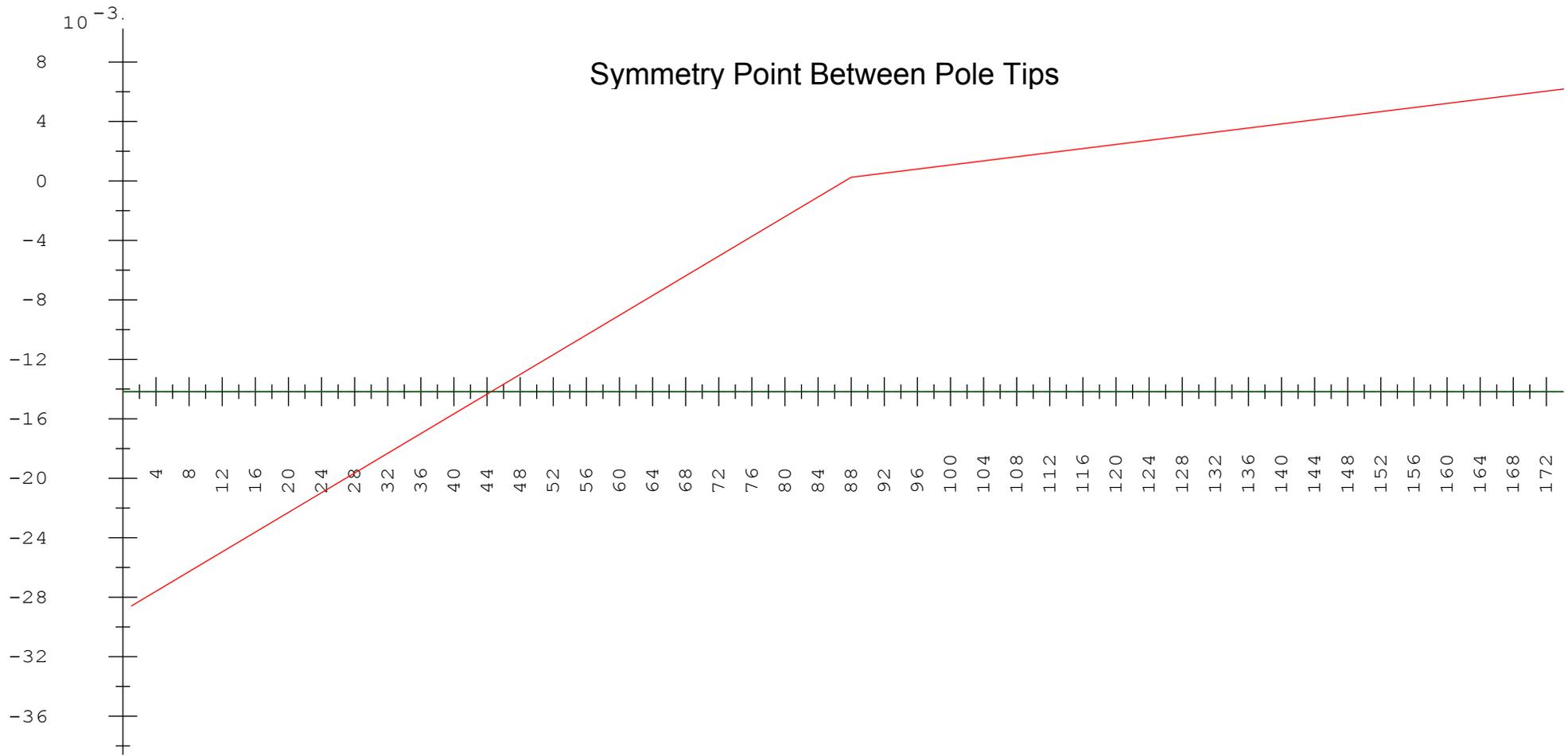
Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 0.0000      US Encoder = 0.0000      DS Encoder = 0.0000

12-AUG-2019  
 S/N = 001  
 D/S = 0007  
 Run = 42



Mean Symmetry Value = -0.0142

Step Between Measured Pole Tips = 87

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 0.0000      US Encoder = 0.0000      DS Encoder = 0.0000

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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>	4.9738	4.9490	4.8863	4.8609
<b>Bottom</b>	-5.0234	-4.9833	-4.8820	-4.8409
<b>Gap</b>	9.9972			9.7017
<b>Taper</b>				-0.2954

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9446	-4.9729	9.9175	-0.0142

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.086</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.033</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.054</b>
<b>Minimum Effective Gap</b>	<b>9.713</b>
<b>Reference Block Gap</b>	<b>6.801</b>

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 10                      Nominal Taper = 0.000  
 Gap Reading = 0.0000              US Encoder = 0.0000              DS Encoder = 0.0000

12-AUG-2019  
 S/N = 001  
 D/S = 0007  
 Run = 42