

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points =

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

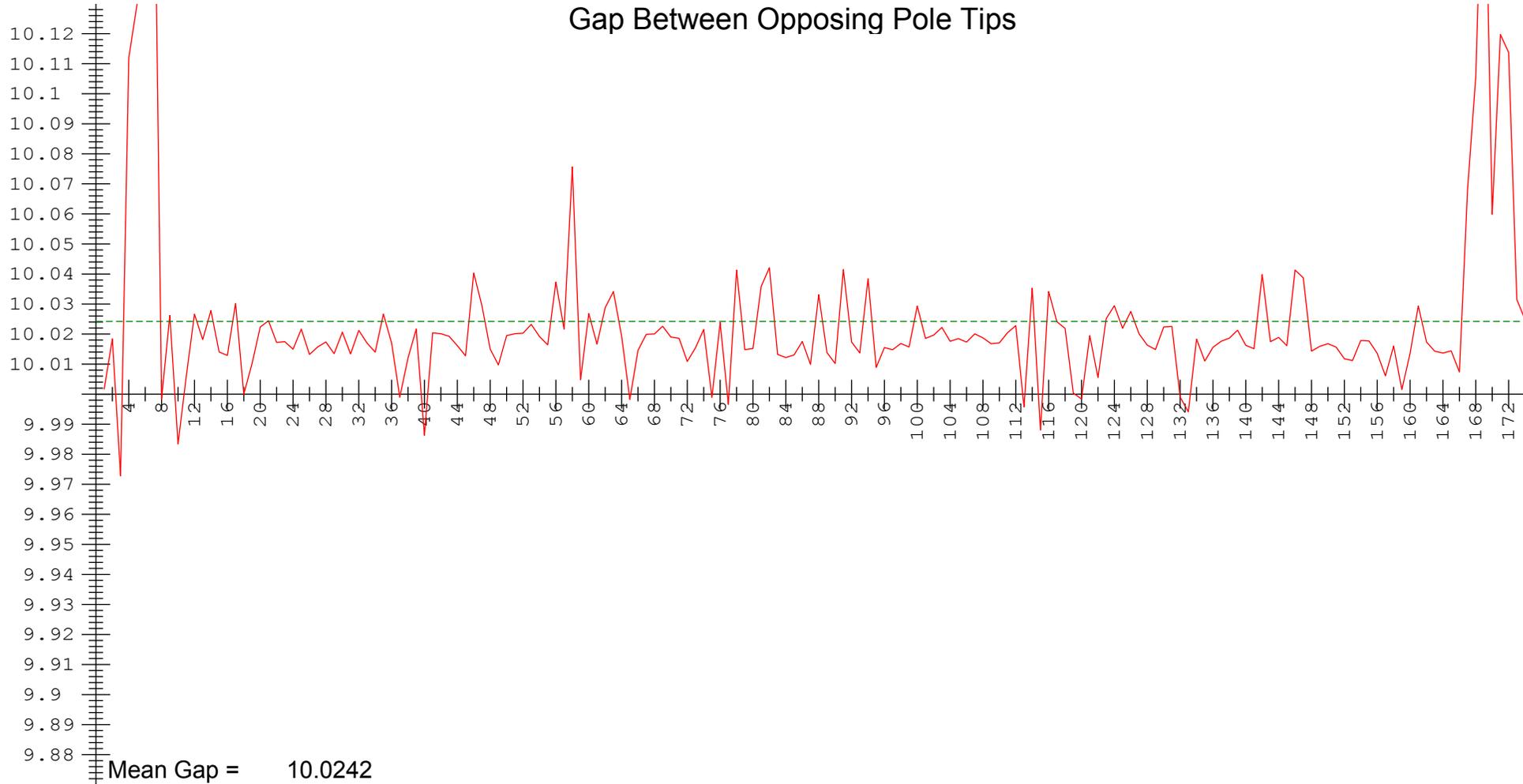
16-JAN-2019

S/N = 018

D/S = 0001

Run = 17

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

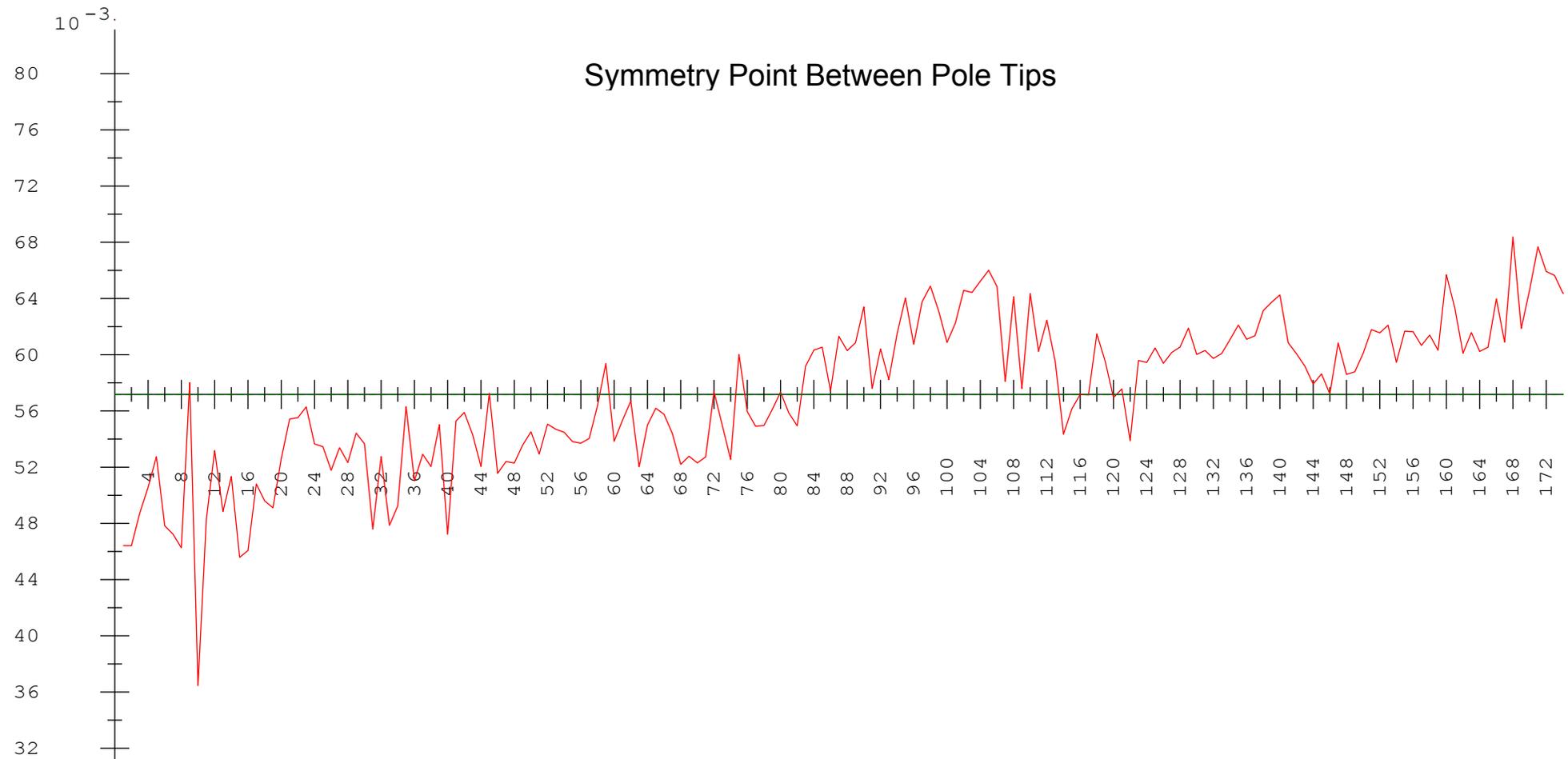
Dimensions in mm



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Mean Symmetry Value = 0.0572

Step Between Measured Pole Tips = 1

Dimensions in mm



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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>	5.0615	5.0649	5.0735	5.0770
<b>Bottom</b>	-4.9618	-4.9588	-4.9511	-4.9480
<b>Gap</b>	10.0233			10.0250
<b>Taper</b>				0.0017

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0693	-4.9549	10.0242	0.0572

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.418</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.005</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.004</b>
<b>Minimum Effective Gap</b>	<b>9.965</b>
<b>Reference Block Gap</b>	<b>6.811</b>

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