

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

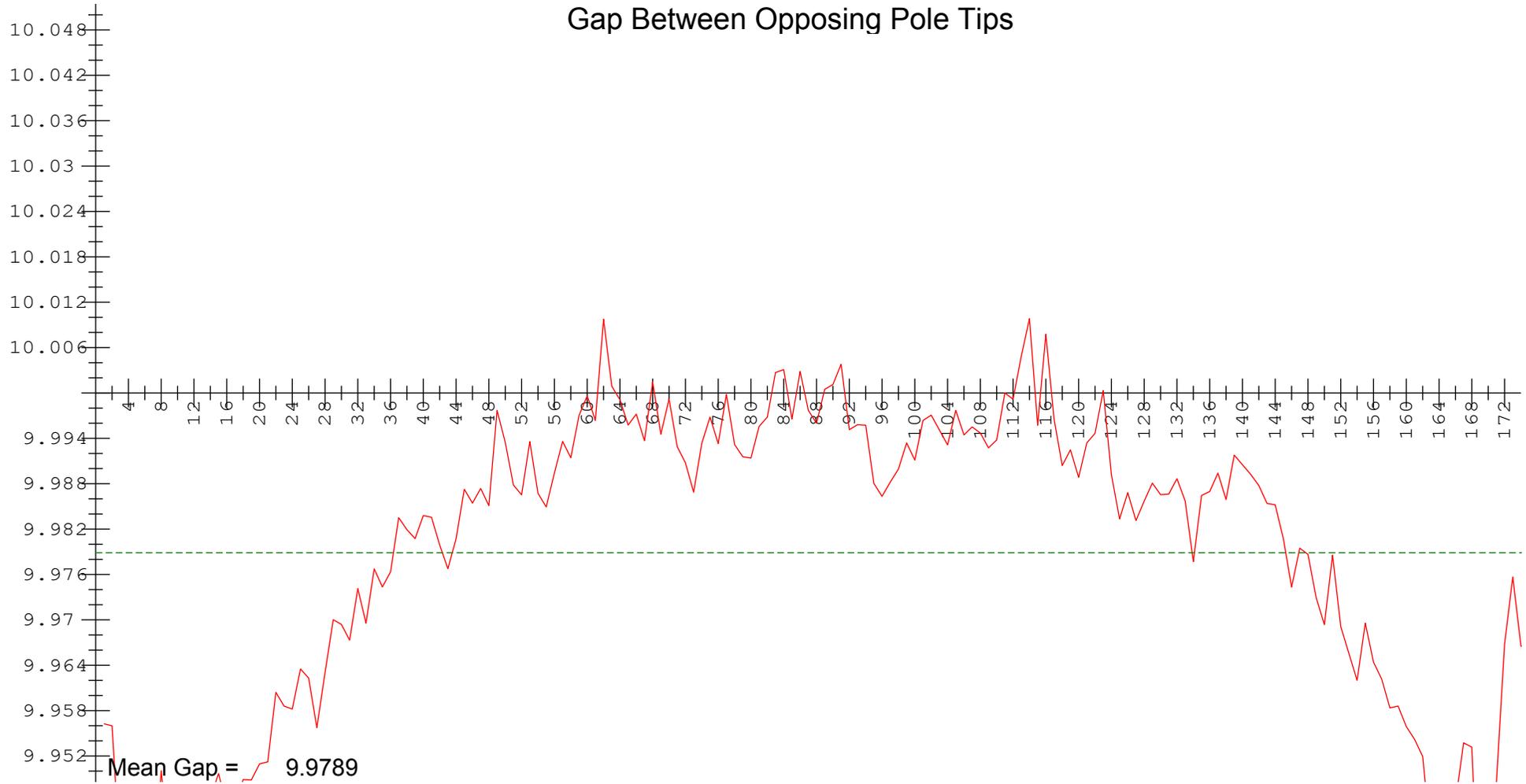
12-FEB-2019

S/N = 020

D/S = 0001

Run = 5

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

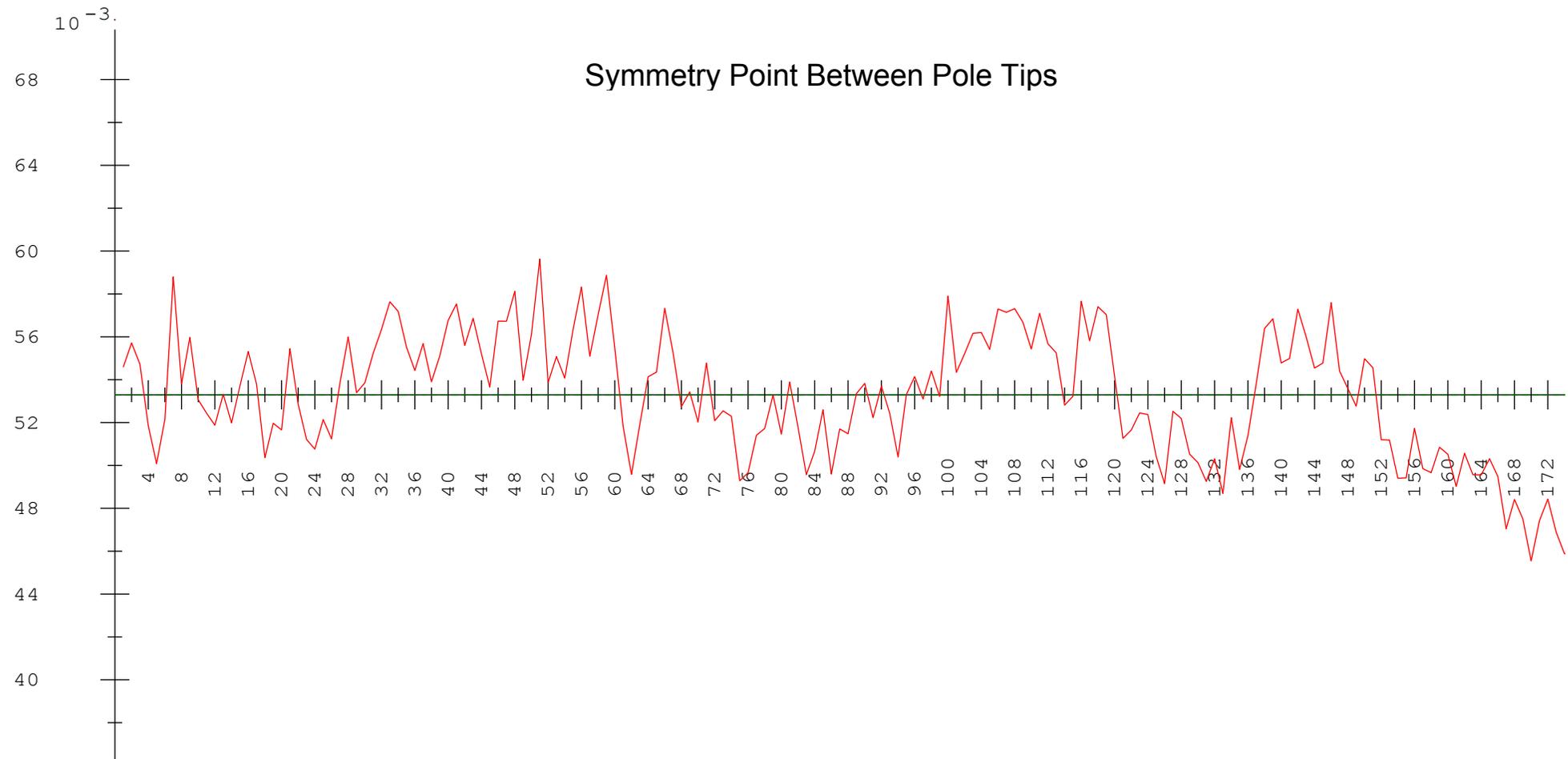
Dimensions in mm



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Mean Symmetry Value = 0.0533

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>	5.0416	5.0421	5.0433	5.0438
<b>Bottom</b>	-4.8876	-4.9334	-4.9388	-5.0530
<b>Gap</b>	9.9292			10.0969
<b>Taper</b>				0.1677

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0427	-4.9361	9.9789	0.0533

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.504</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.001</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.049</b>
<b>Minimum Effective Gap</b>	<b>9.919</b>
<b>Reference Block Gap</b>	<b>6.811</b>

Dimensions in mm



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