

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 10

Regression Line Through Points = -----

Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 9      Nominal Taper = 0.000

Gap Reading = 9.0000      US Encoder = 0.0090      DS Encoder = 0.0090

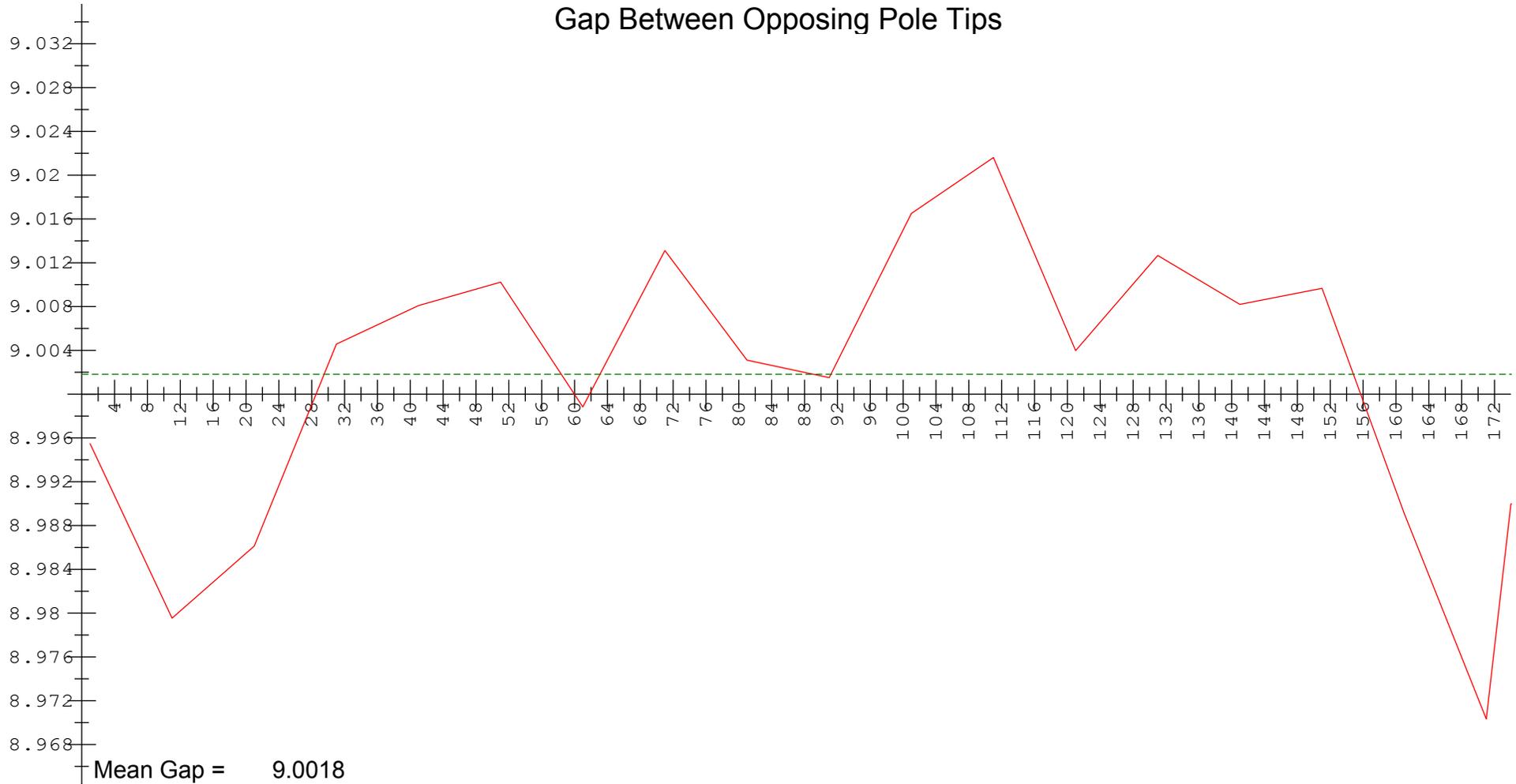
22-NOV-2019

S/N = 021

D/S = 0001

Run = 5

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 10

Dimensions in mm

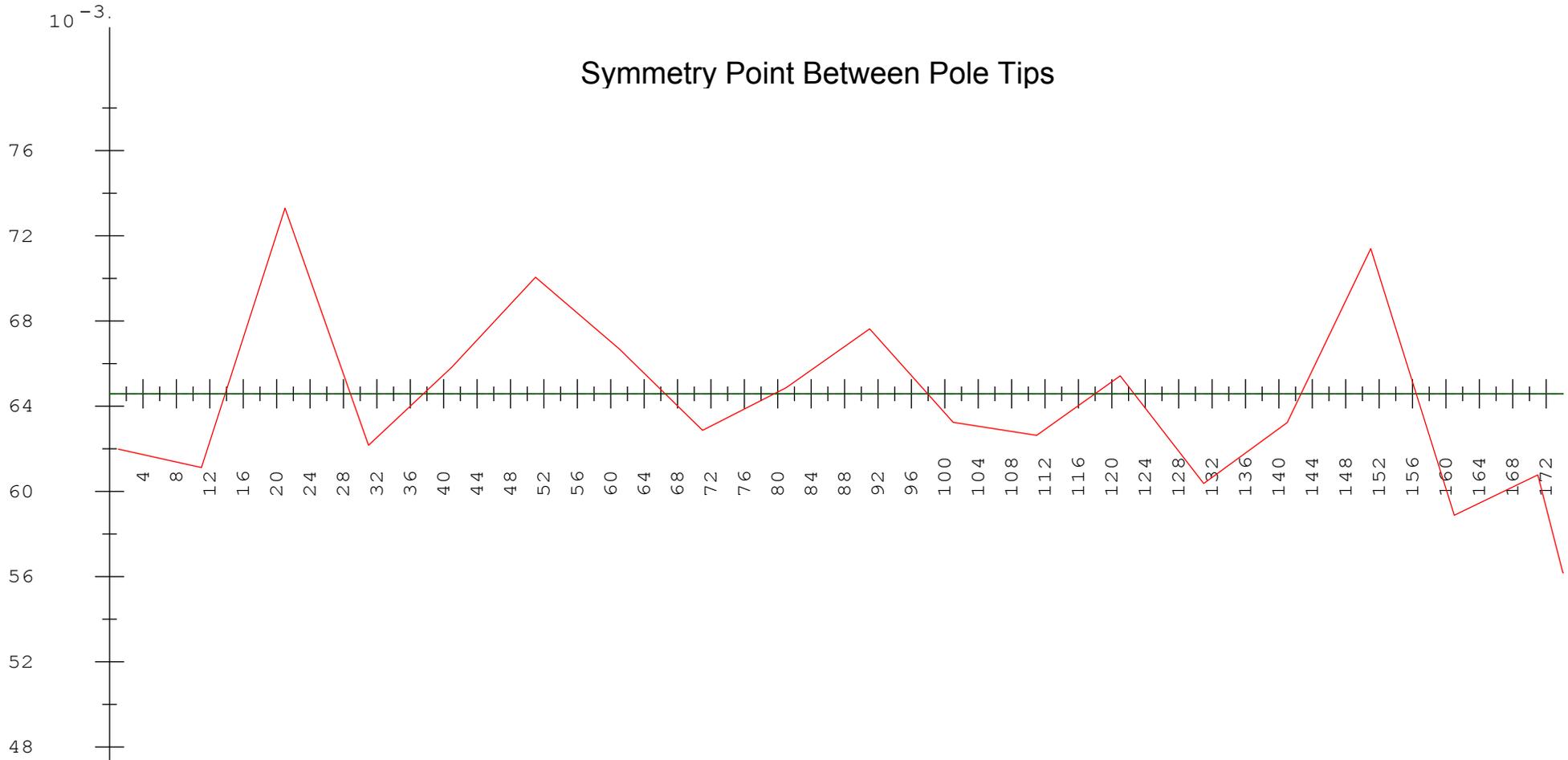


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0646

Step Between Measured Pole Tips = 10

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>	4.5673	4.5662	4.5635	4.5624
<b>Bottom</b>	-4.4341	-4.4351	-4.4376	-4.4387
<b>Gap</b>	9.0013			9.0011
<b>Taper</b>				-0.0002

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.5655	-4.4363	9.0018	0.0646

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.155</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.001</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.001</b>
<b>Minimum Effective Gap</b>	<b>8.966</b>
<b>Reference Block Gap</b>	<b>6.799</b>

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