

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

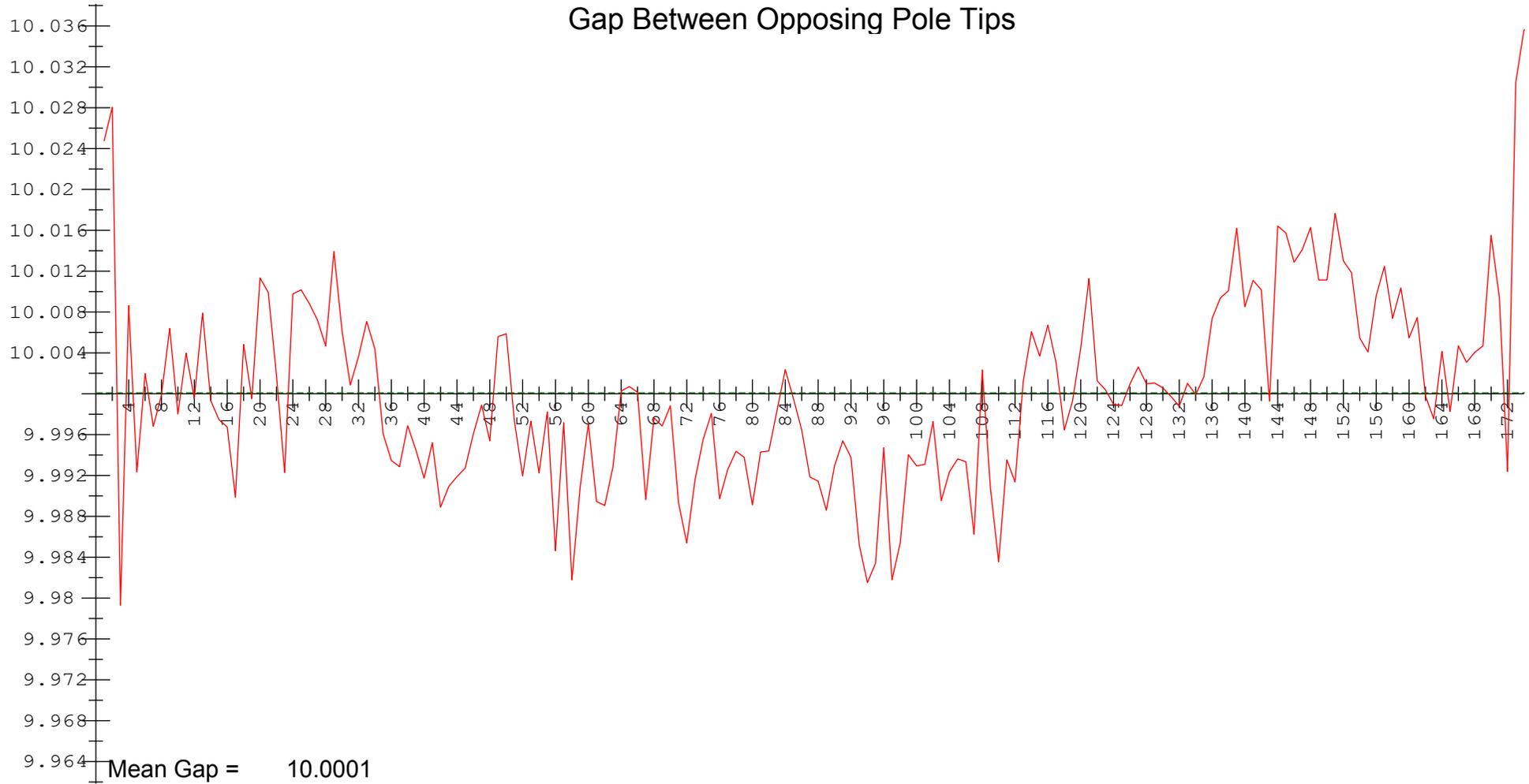
20-APR-2018

S/N = 009

D/S = 0001

Run = 18

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

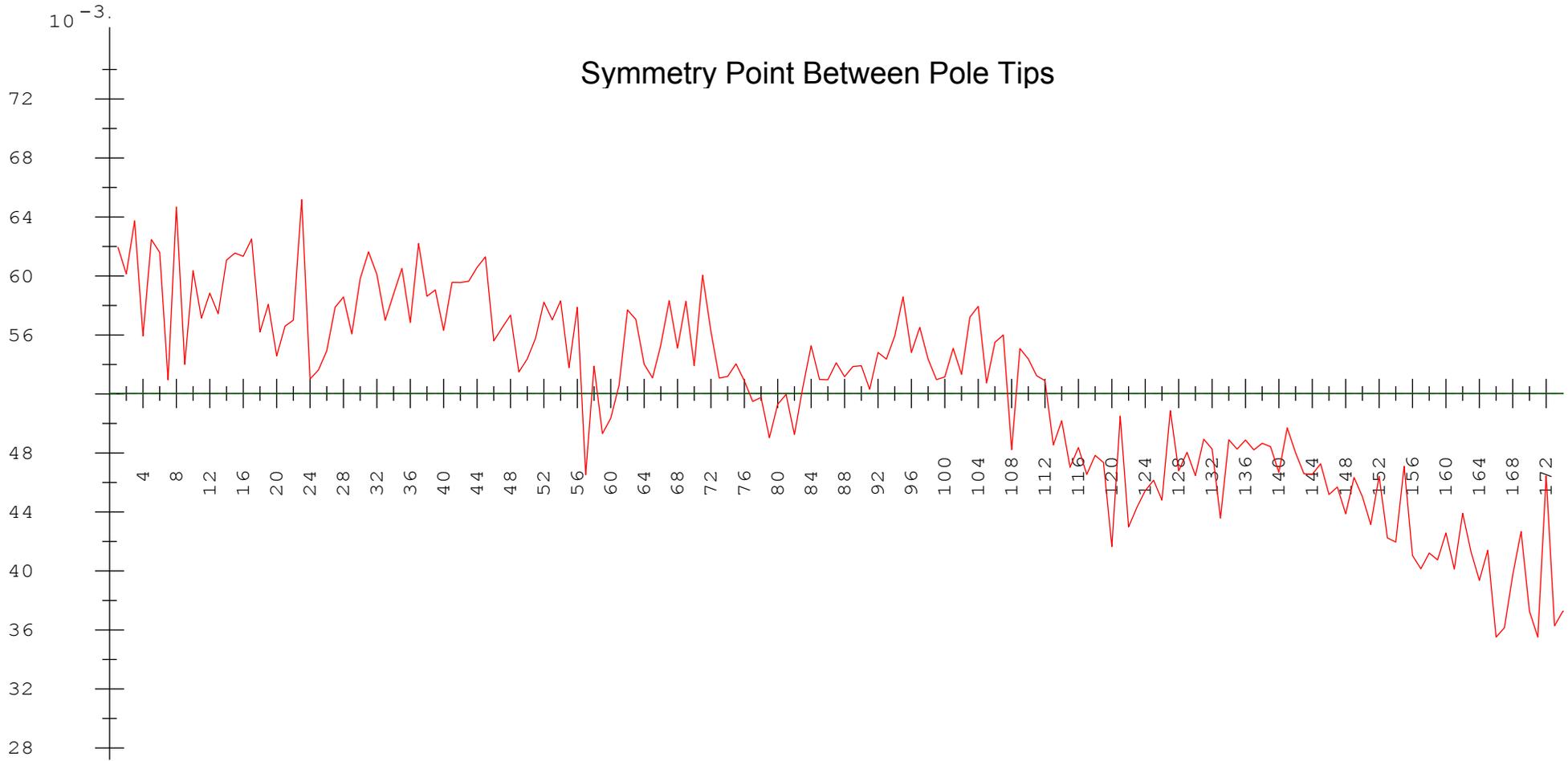


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0520

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>	5.0598	5.0564	5.0478	5.0443
<b>Bottom</b>	-4.9358	-4.9412	-4.9547	-4.9602
<b>Gap</b>	9.9956			10.0046
<b>Taper</b>				0.0089

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0521	-4.9480	10.0001	0.0520

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.421</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.005</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.007</b>
<b>Minimum Effective Gap</b>	<b>9.964</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



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