

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

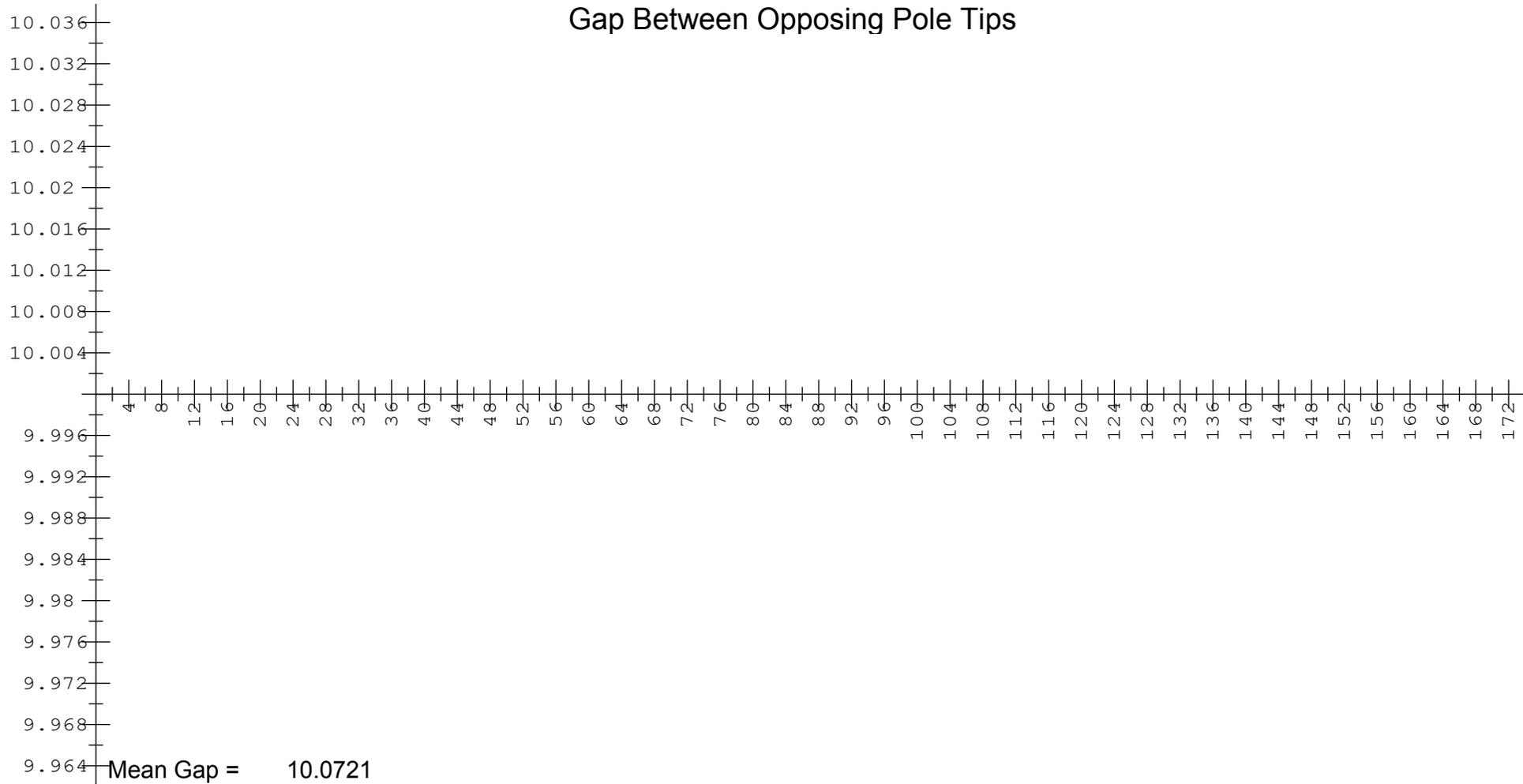
05-APR-2019

S/N = 002

D/S = 0001

Run = 5

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

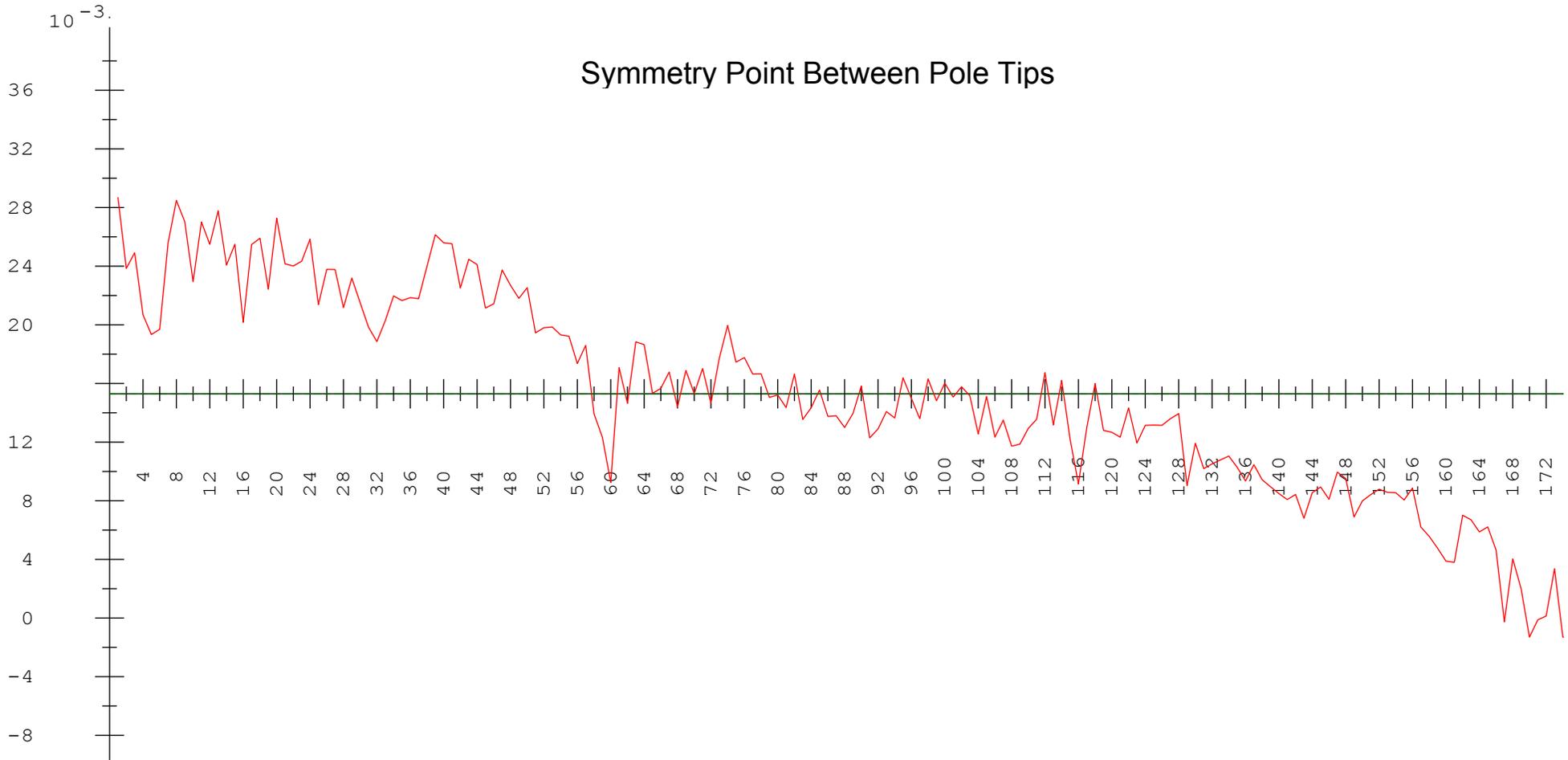


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0153

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>	5.0608	5.0566	5.0461	5.0419
<b>Bottom</b>	-5.0084	-5.0138	-5.0275	-5.0331
<b>Gap</b>	10.0692			10.0750
<b>Taper</b>				0.0058

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0513	-5.0207	10.0721	0.0153

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.303</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.006</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.007</b>
<b>Minimum Effective Gap</b>	<b>10.021</b>
<b>Reference Block Gap</b>	<b>6.810</b>

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