

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points =

Dimensions in mm



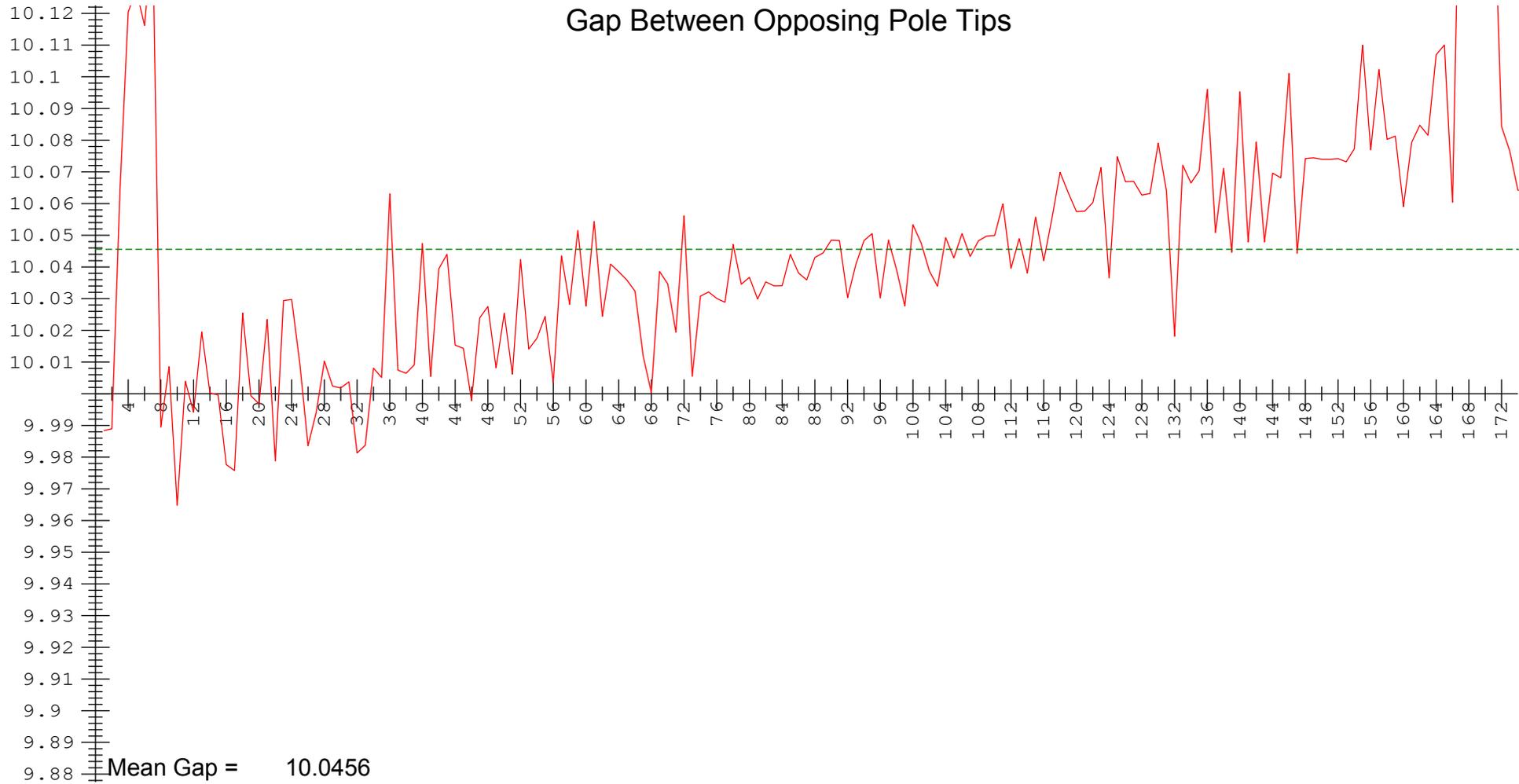
**LCLS II - SXR Undulator**

Nominal Gap = 10      Nominal Taper = 0.100  
Gap Reading = 10.0500      US Encoder = 10.0000      DS Encoder = 10.1001

06-FEB-2019

S/N = 019  
D/S = 0001  
Run = 9

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

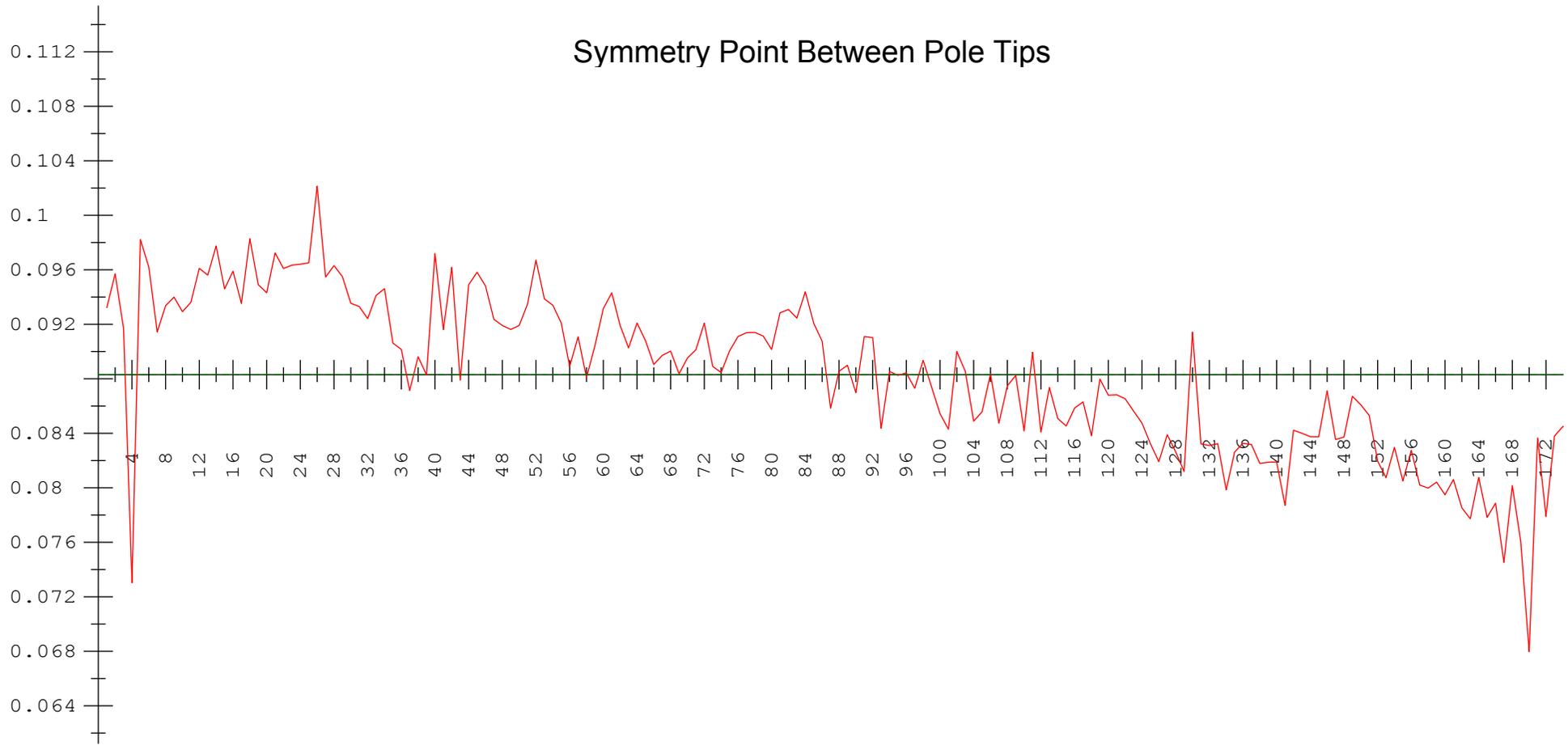


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0883

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>	5.0972	5.1033	5.1187	5.1249
<b>Bottom</b>	-4.9041	-4.9174	-4.9512	-4.9649
<b>Gap</b>	10.0013			10.0898
<b>Taper</b>				0.0885

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1111	-4.9345	10.0456	0.0883

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.242</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.008</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.018</b>
<b>Minimum Effective Gap</b>	<b>9.965</b>
<b>Reference Block Gap</b>	<b>6.809</b>

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