

Y Value Scales Centered on Mean Values  
 Step Between Measured Pole Tips = 7

Regression Line Through Points = -----  
 Dimensions in mm



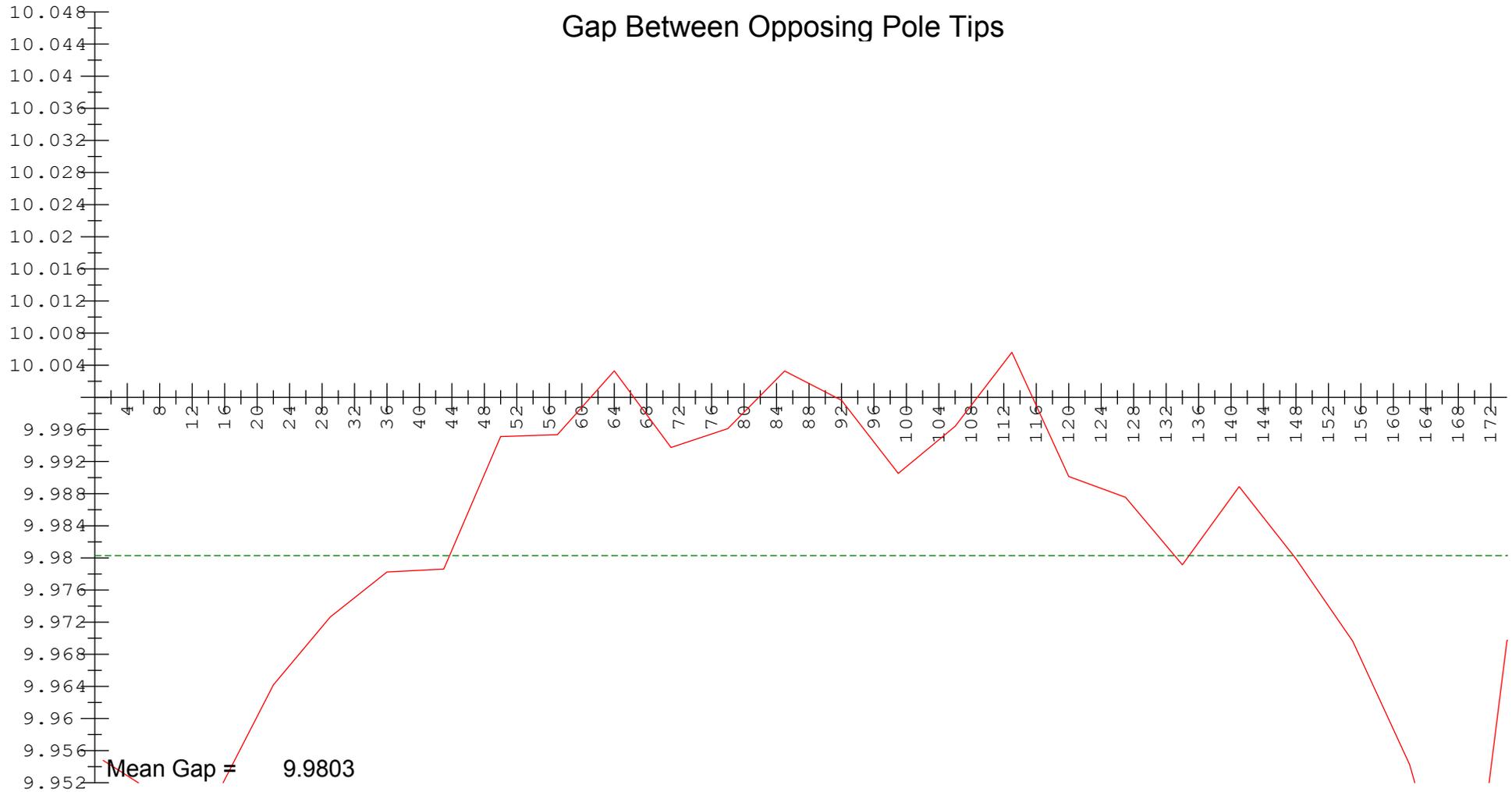
**LCLS II - SXR Undulator**

Nominal Gap = 10      Nominal Taper = 0.000

Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

11-FEB-2019  
 S/N = 020  
 D/S = 0001  
 Run = 4

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

Dimensions in mm

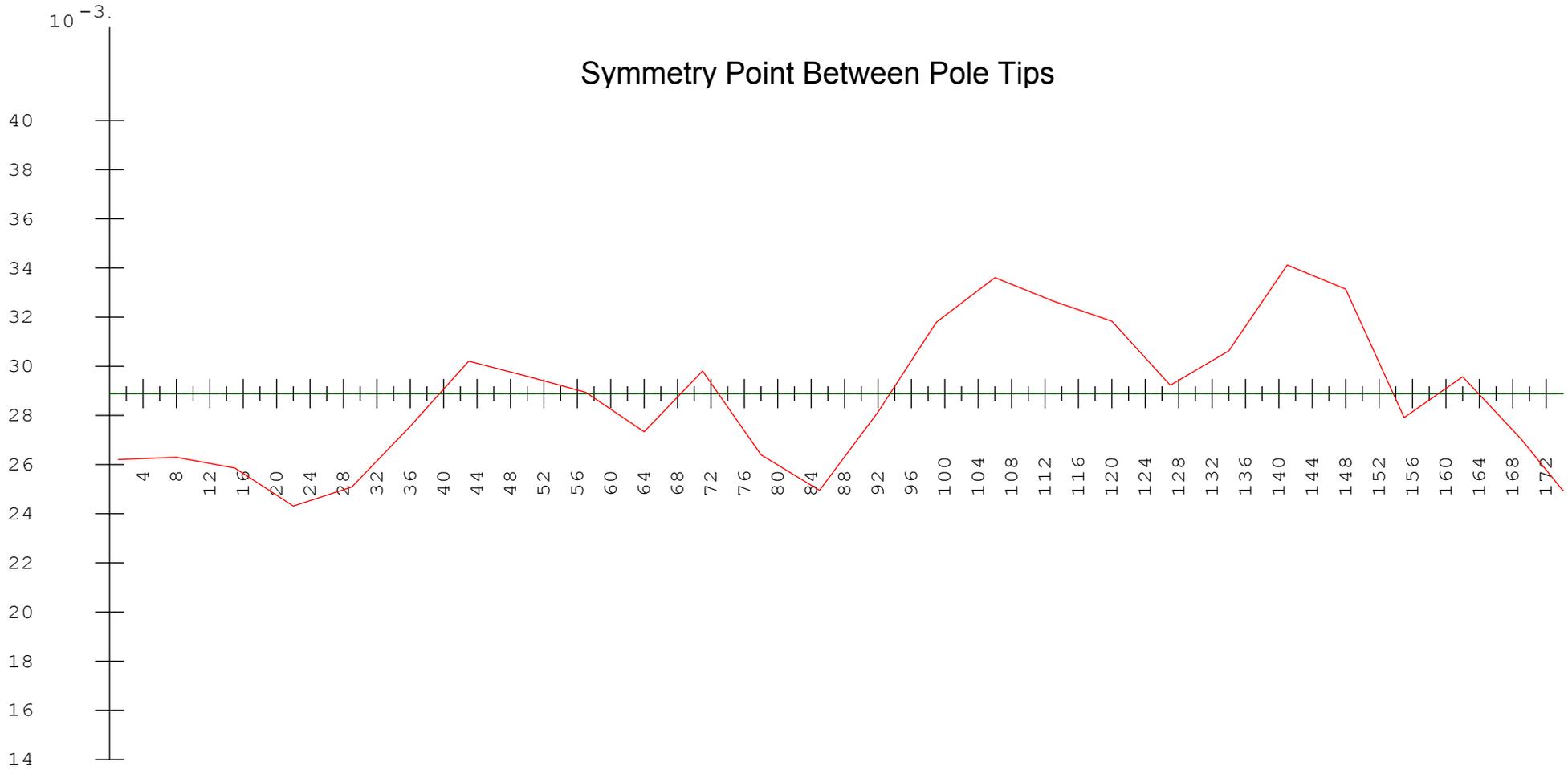


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0289

Step Between Measured Pole Tips = 7

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>	5.0161	5.0172	5.0201	5.0212
<b>Bottom</b>	-4.9627	-4.9620	-4.9604	-4.9598
<b>Gap</b>	9.9788			9.9810
<b>Taper</b>				0.0022

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0190	-4.9613	9.9803	0.0289

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.504</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.002</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.001</b>
<b>Minimum Effective Gap</b>	<b>9.930</b>
<b>Reference Block Gap</b>	<b>6.811</b>

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