

Y Value Scales Centered on Mean Values  
Step Between Measured Pole Tips = 1

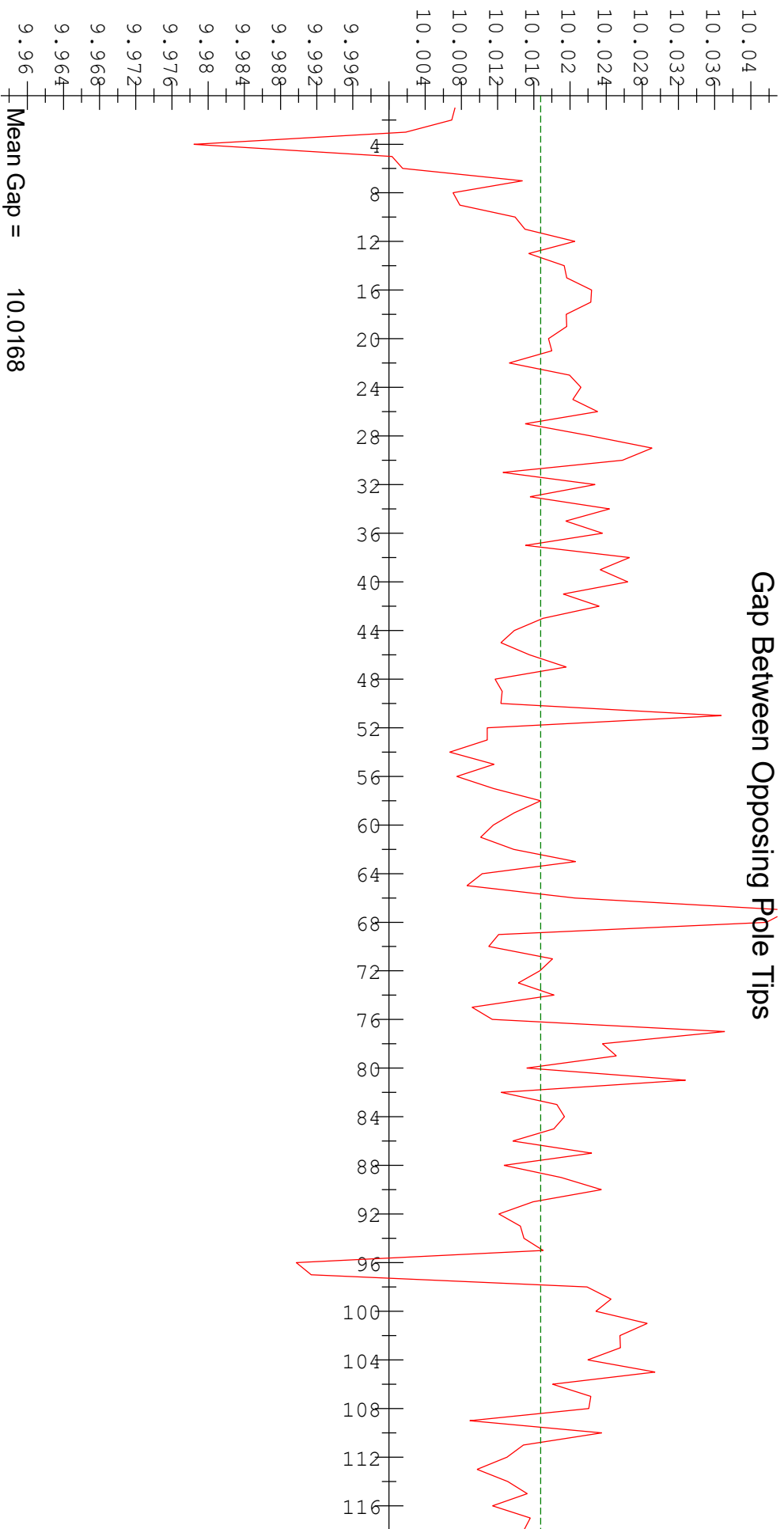
# LCLS II-HE - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 10.0006      US Encoder = 10.0005      DS Encoder = 10.0008



METROLOGY

25-JUN-2026  
 S/N = 002  
 D/S = 0001  
 Run = 3



Step Between Measured Pole Tips = 1

Dimensions in mm



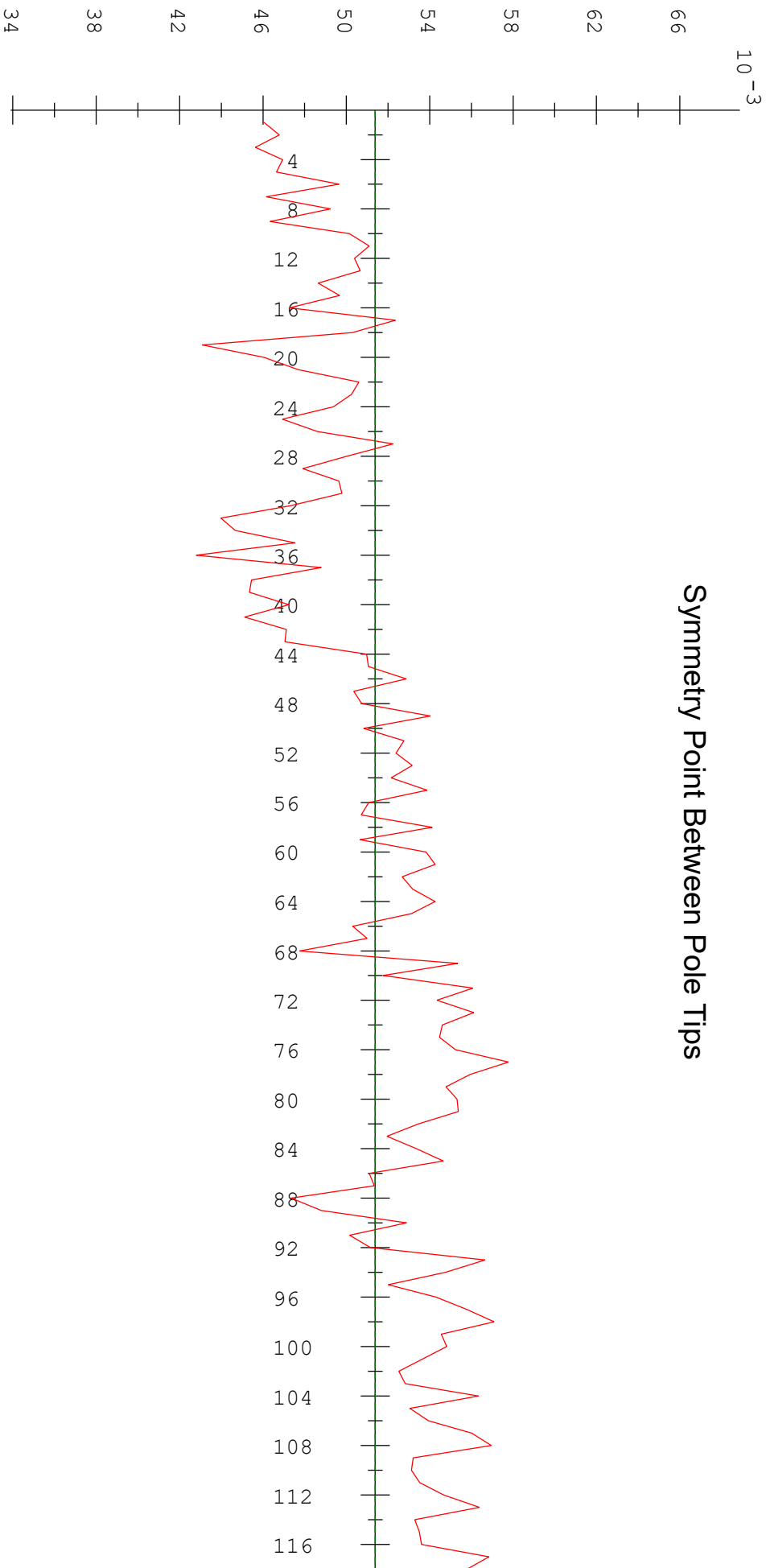
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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 50.0514

Step Between Measured Pole Tips = 1

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## Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole <i>(Pole -1)</i>	US Actuator <i>(Pole 28)</i>	DS Actuator <i>(Pole 90)</i>	Last Pole <i>(Pole 118)</i>
<b>Top</b>	5.0545	5.0569	5.0625	5.0650
<b>Bottom</b>	-4.9602	-4.9587	-4.9553	-4.9538
<b>Gap</b>	10.0147			10.0188
<b>Taper</b>				0.0041

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0598	-4.9570	10.0168	0.0514

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>978.407</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.003</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.002</b>
<b>Minimum Effective Gap</b>	<b>9.976</b>
<b>Reference Block Gap</b>	<b>6.799</b>

Dimensions in mm



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