

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

Regression Line Through Points =  
Dimensions in mm



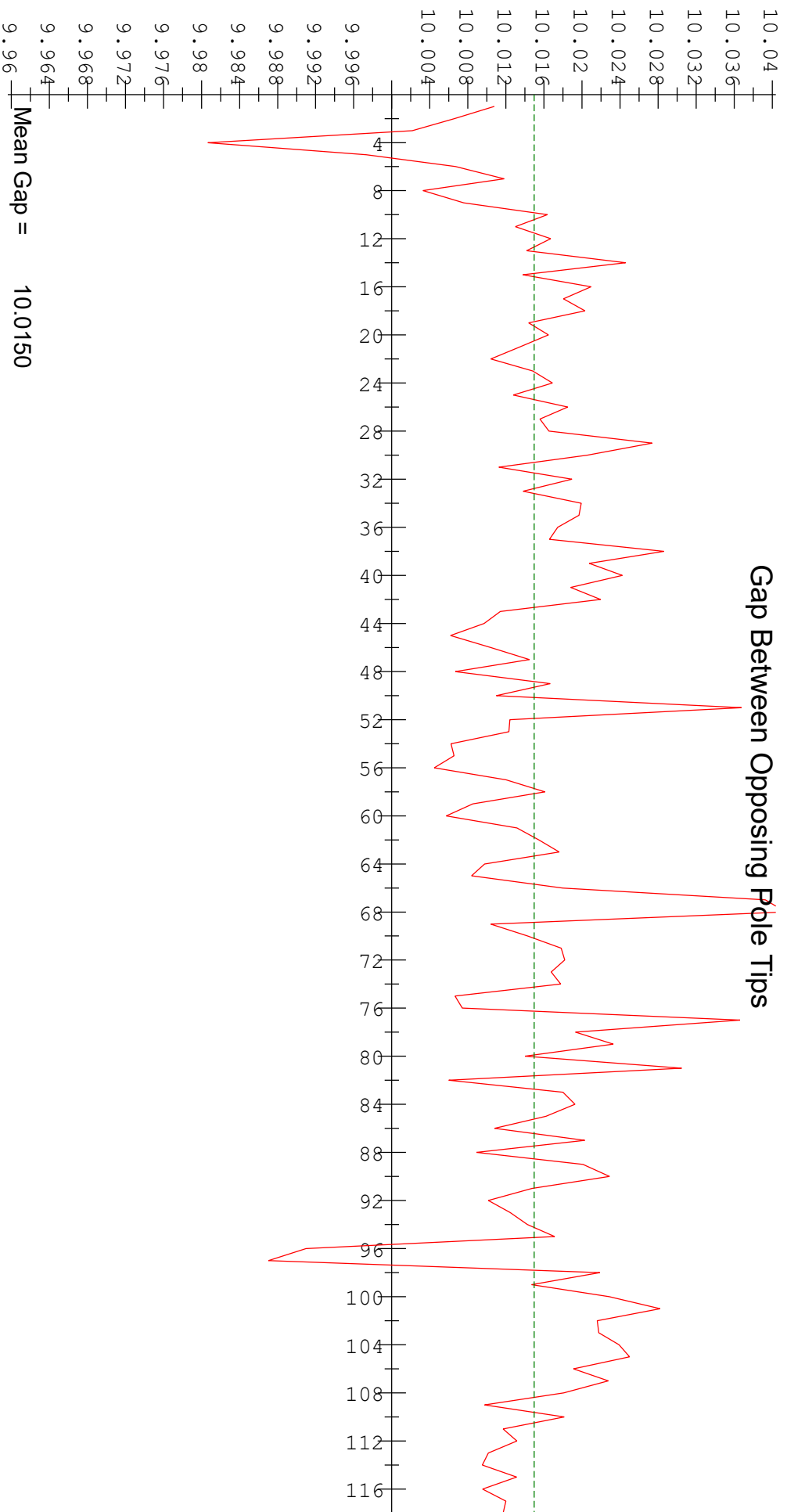
METROLOGY

# LCLS II-HE - SXR Undulator

Nominal Gap = 10  
Gap Reading = 10.0004  
US Encoder = 10.0005

Nominal Taper = 0.000  
DS Encoder = 10.0005

24-JUN-2026  
S/N = 002  
D/S = 0001  
Run = 1



Step Between Measured Pole Tips = 1

Dimensions in mm



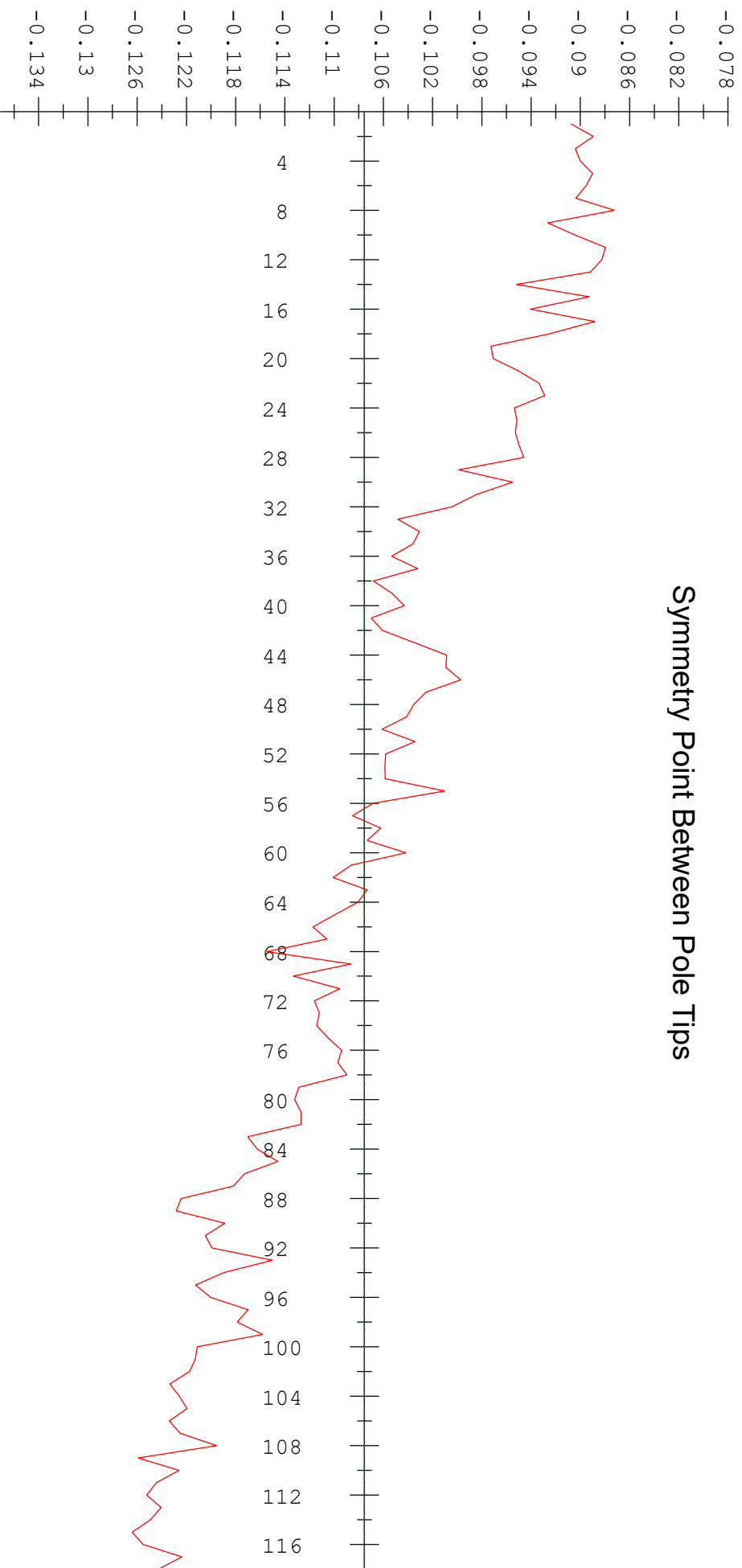
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### Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.1075

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>	4.9178	4.9096	4.8906	4.8821
<b>Bottom</b>	-5.0952	-5.1043	-5.1254	-5.1349
<b>Gap</b>	10.0130			10.0169
<b>Taper</b>				0.0039

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.8999	-5.1150	10.0150	-0.1075

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>978.407</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.011</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.012</b>
<b>Minimum Effective Gap</b>	<b>9.956</b>
<b>Reference Block Gap</b>	<b>6.799</b>

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