

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

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



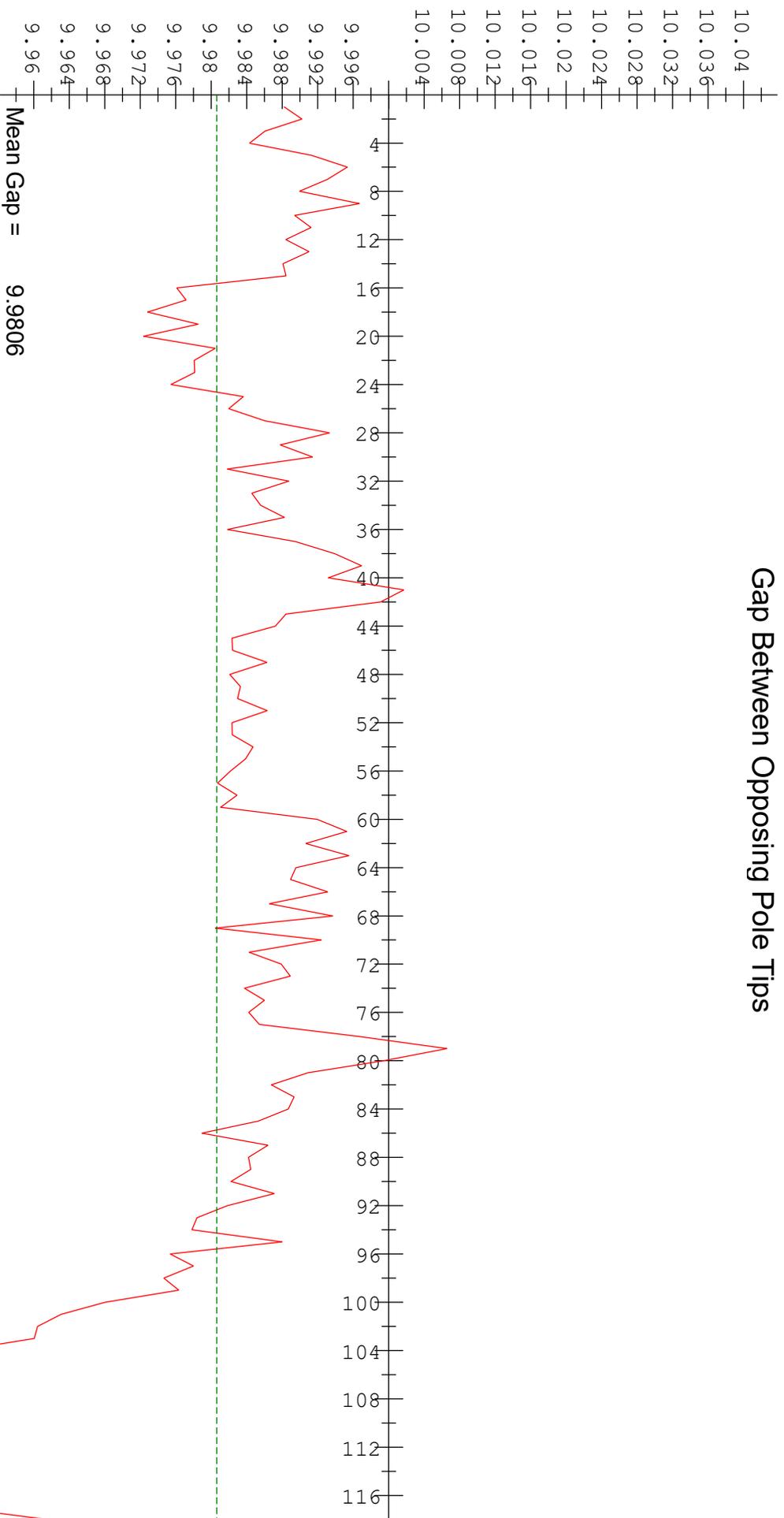
METROLOGY

# LCLS II-HE - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

22-MAY-2024  
S/N = 023  
D/S = 0001  
Run = 5

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



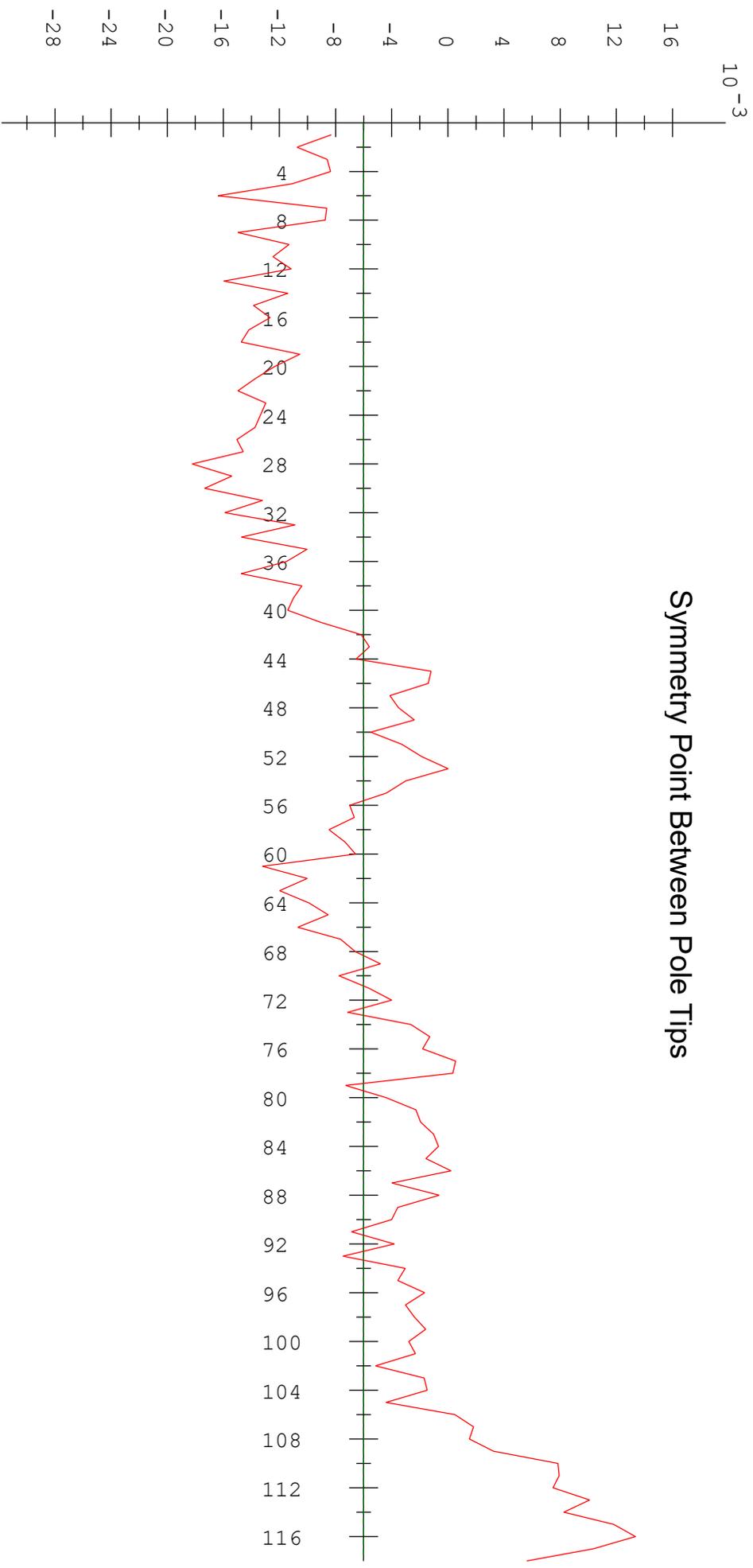
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### Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0060

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>	4.9826	4.9834	4.9852	4.9860
<b>Bottom</b>	-5.0132	-5.0054	-4.9875	-4.9795
<b>Gap</b>	9.9957			9.9655
<b>Taper</b>				-0.0303

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9843	-4.9963	9.9806	-0.0060

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	979.438
<b>Top Jaw Pitch (mrad)</b>	0.001
<b>Bottom Jaw Pitch(mrad)</b>	0.010
<b>Minimum Effective Gap</b>	9.932
<b>Reference Block Gap</b>	6.799

Dimensions in mm



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