

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

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



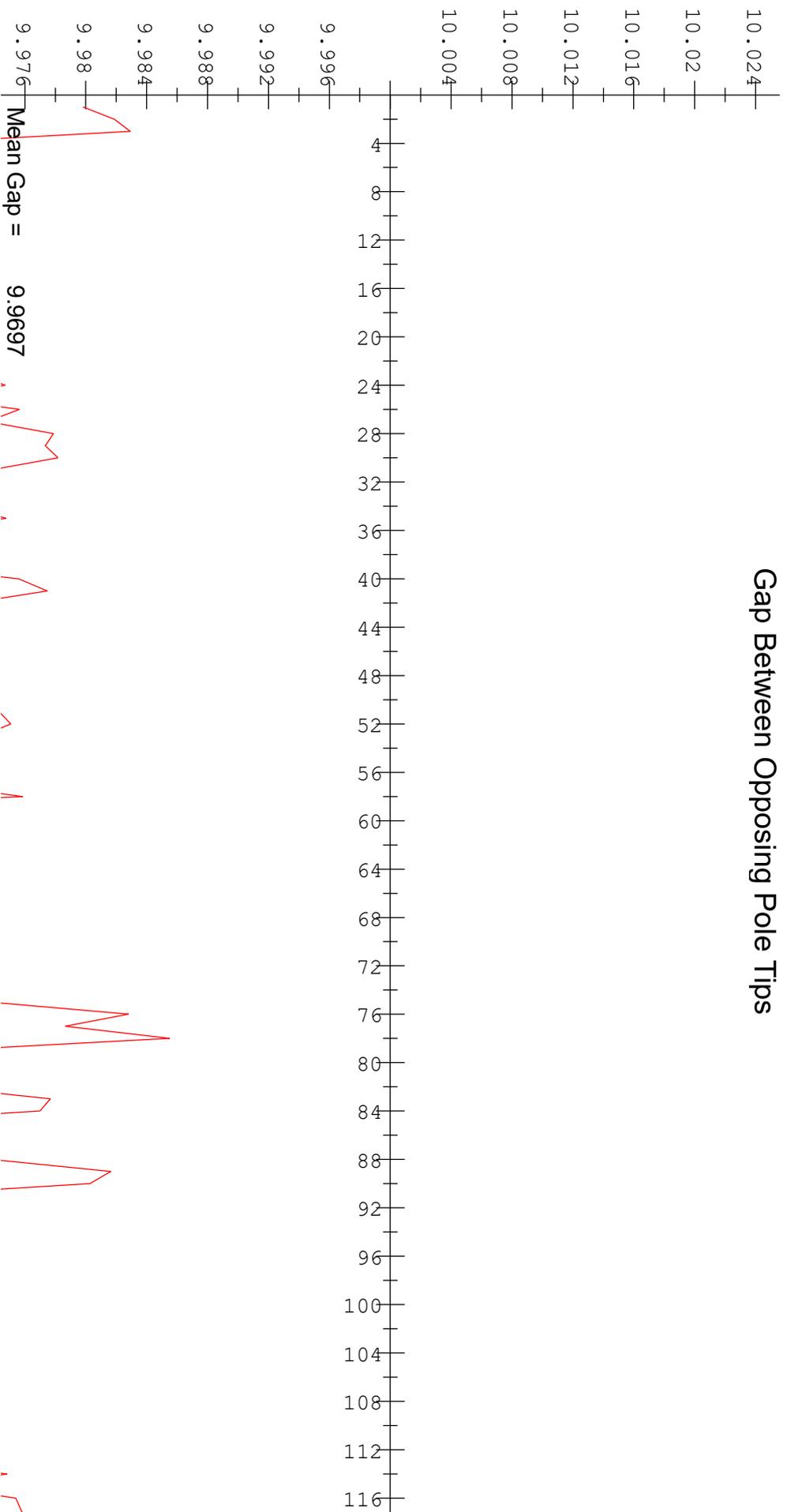
METROLOGY

# LCLS II-HE - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
Gap Reading = 10.0004      US Encoder = 10.0007      DS Encoder = 10.0001

14-AUG-2024  
S/N = 025  
D/S = 0001  
Run = 2

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

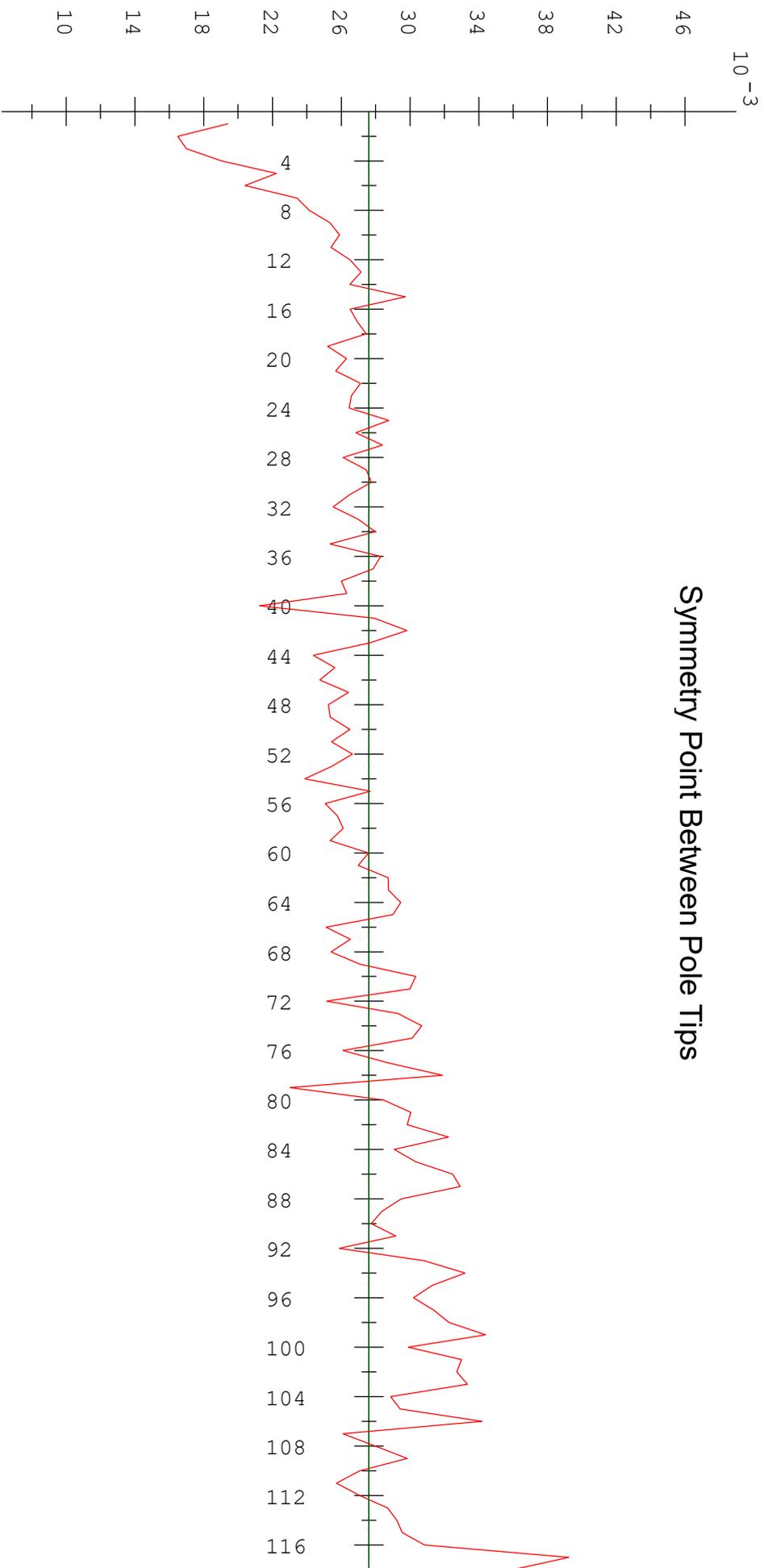


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Mean Symmetry Value = 0.0276

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>	5.0092	5.0107	5.0142	5.0157
<b>Bottom</b>	-4.9619	-4.9597	-4.9549	-4.9526
<b>Gap</b>	9.9711			9.9684
<b>Taper</b>				-0.0028

### Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0125	-4.9573	9.9697	0.0276

### Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	979.432
<b>Top Jaw Pitch (mrad)</b>	0.002
<b>Bottom Jaw Pitch(mrad)</b>	0.003
<b>Minimum Effective Gap</b>	9.946
<b>Reference Block Gap</b>	6.795

Dimensions in mm



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