

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

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

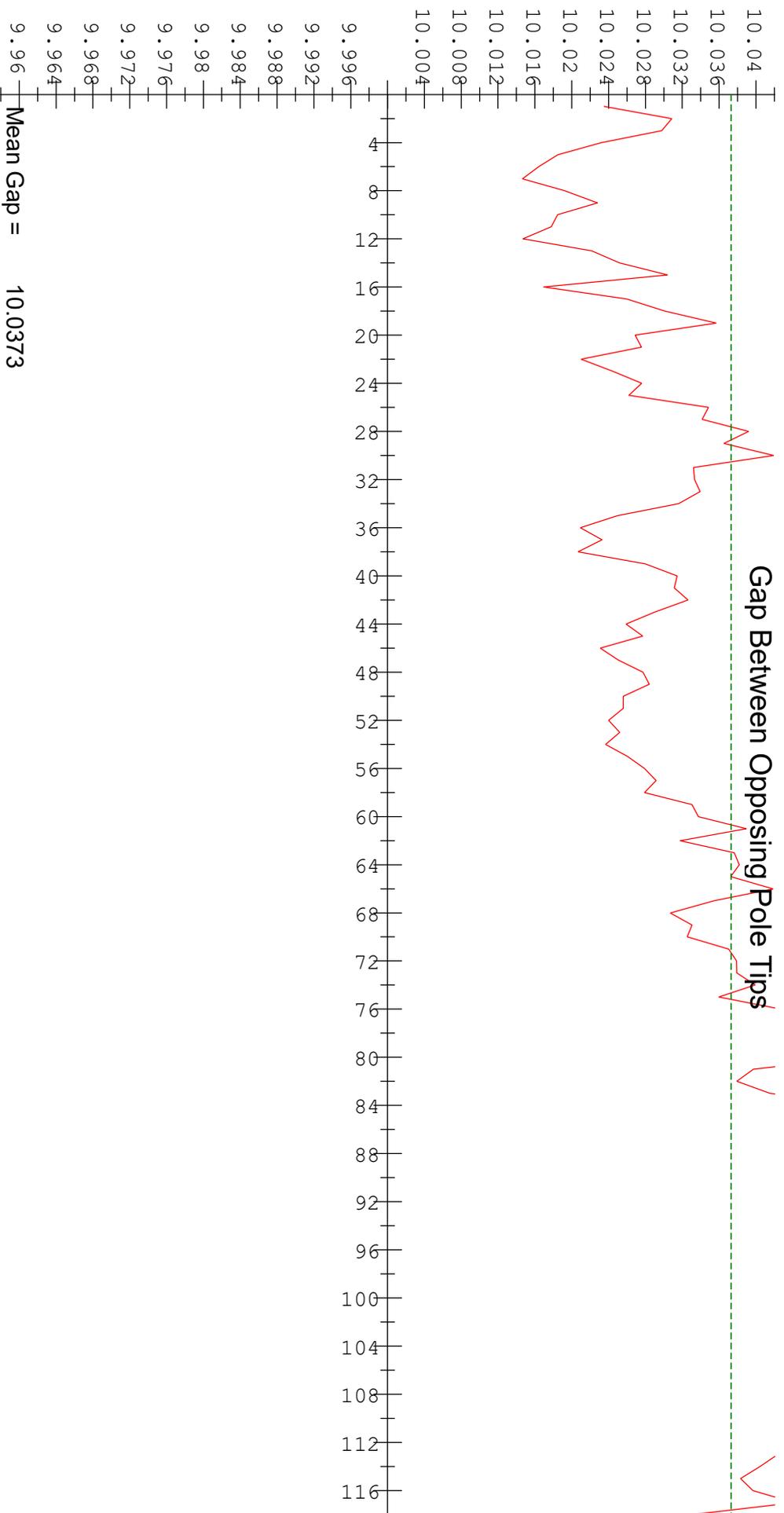


METROLOGY

LCLS II-HE - SXR Undulator

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

08-MAY-2025
S/N = 021
D/S = 0001
Run = 2



Step Between Measured Pole Tips = 1

Dimensions in mm



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LCLS II-HE - SXR Undulator

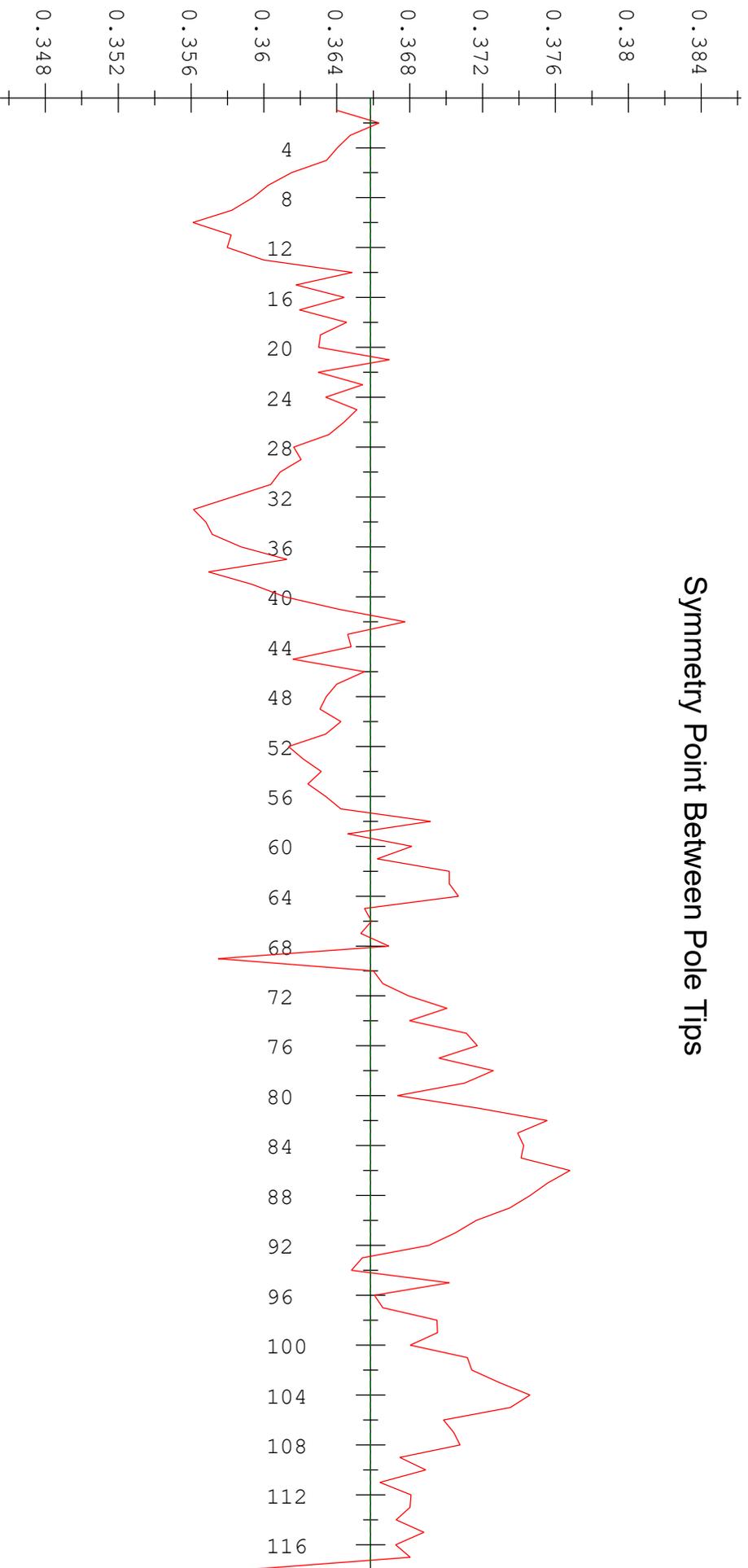
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3659

Step Between Measured Pole Tips = 1

Dimensions in mm



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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>
Top	5.3697	5.3765	5.3922	5.3993
Bottom	-4.6490	-4.6507	-4.6548	-4.6566
Gap	10.0187			10.0559
Taper				0.0372

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3845	-4.6528	10.0373	0.3659

Additional Calculated Values

Bottom Pole #1 Z Value	978.740
Top Jaw Pitch (mrad)	0.009
Bottom Jaw Pitch(mrad)	-0.002
Minimum Effective Gap	10.009
Reference Block Gap	6.800

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