

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

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



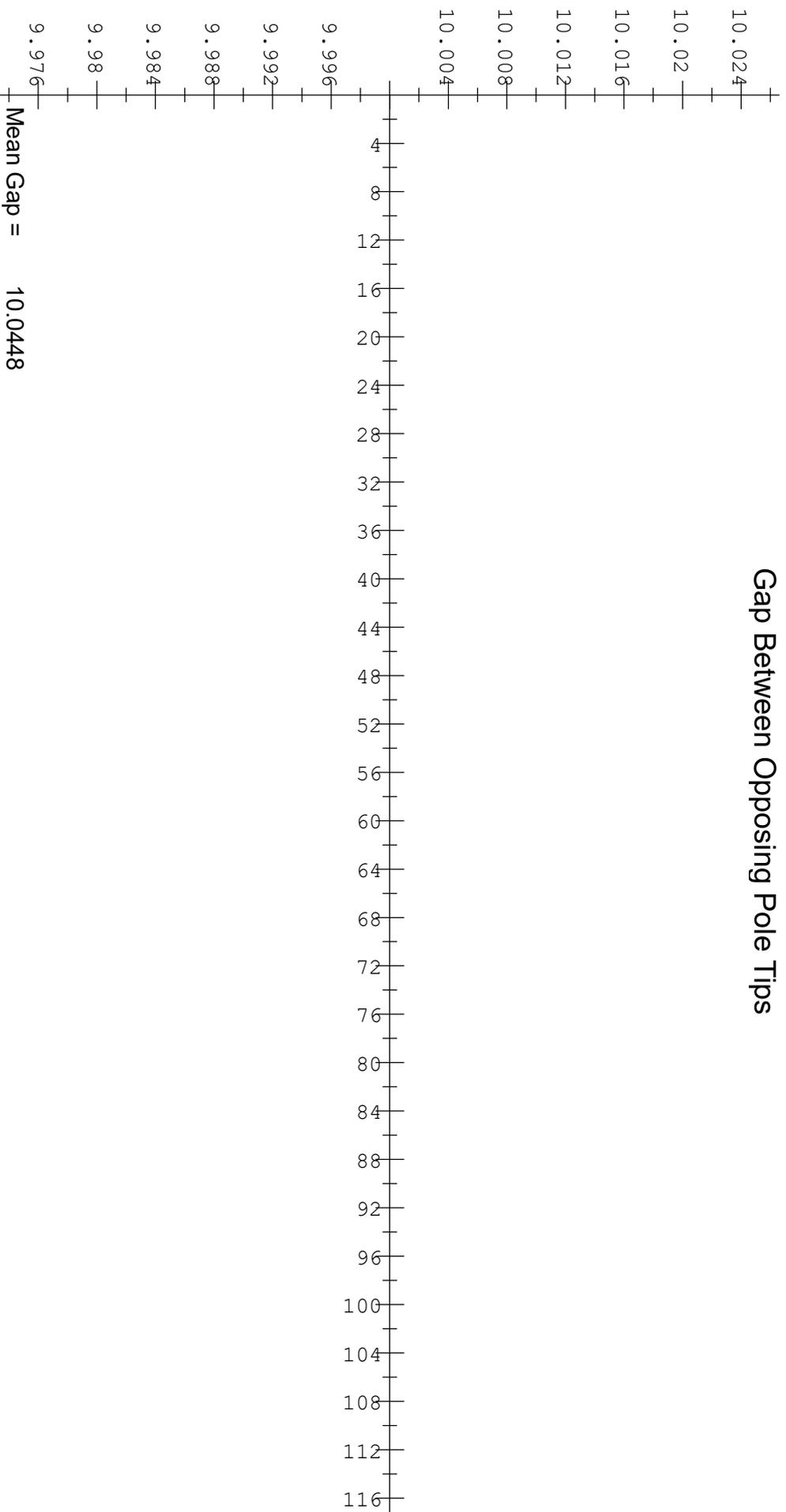
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0003 US Encoder = 10.0003 DS Encoder = 10.0004

04-MAR-2025
S/N = 031
D/S = 0001
Run = 3

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



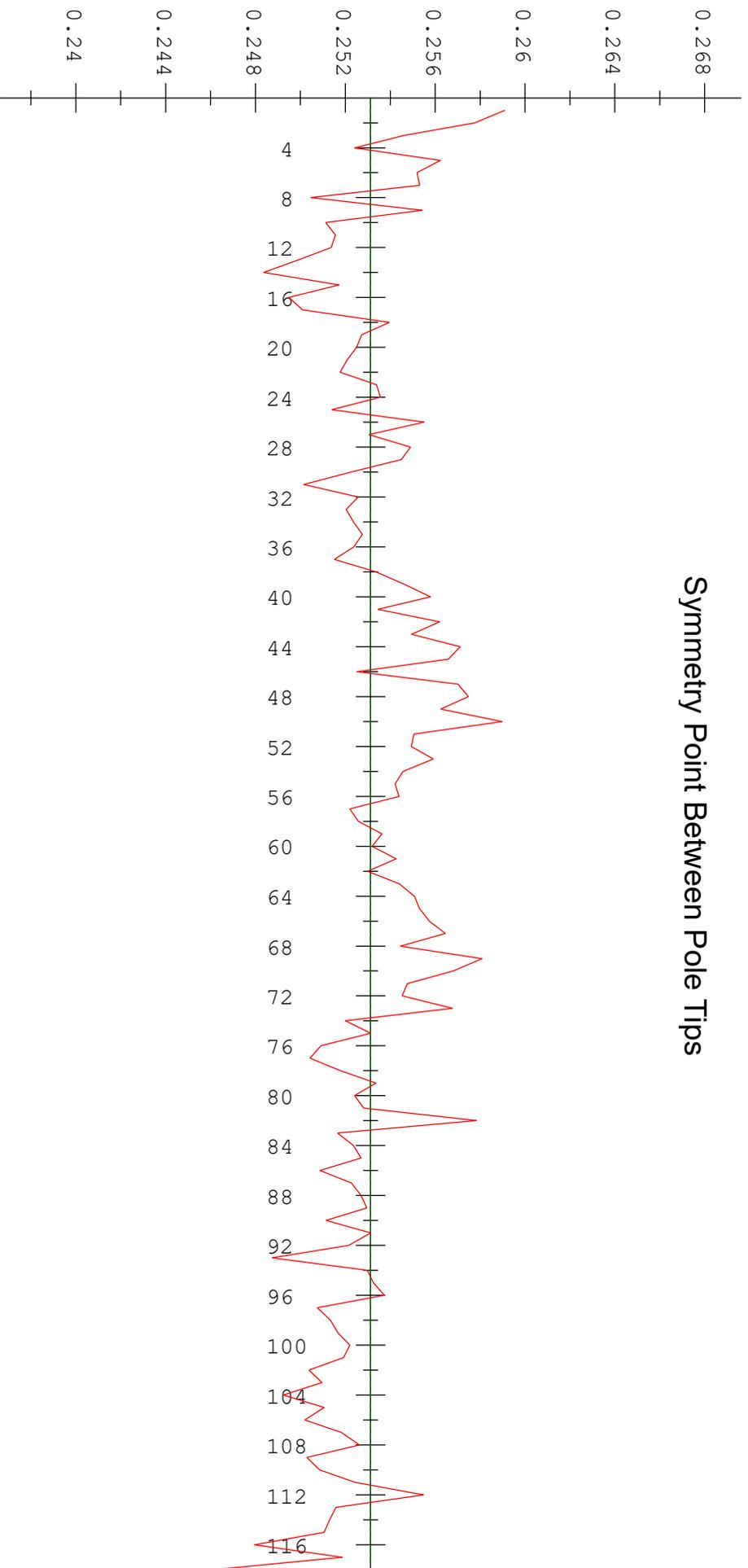
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2531

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	5.2716	5.2734	5.2776	5.2795
Bottom	-4.7630	-4.7659	-4.7726	-4.7756
Gap	10.0346			10.0551
Taper				0.0204

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2755	-4.7693	10.0448	0.2531

Additional Calculated Values

Bottom Pole #1 Z Value	978.458
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	-0.004
Minimum Effective Gap	10.026
Reference Block Gap	6.801

Dimensions in mm



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