

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

Regression Line Through Points =
Dimensions in mm

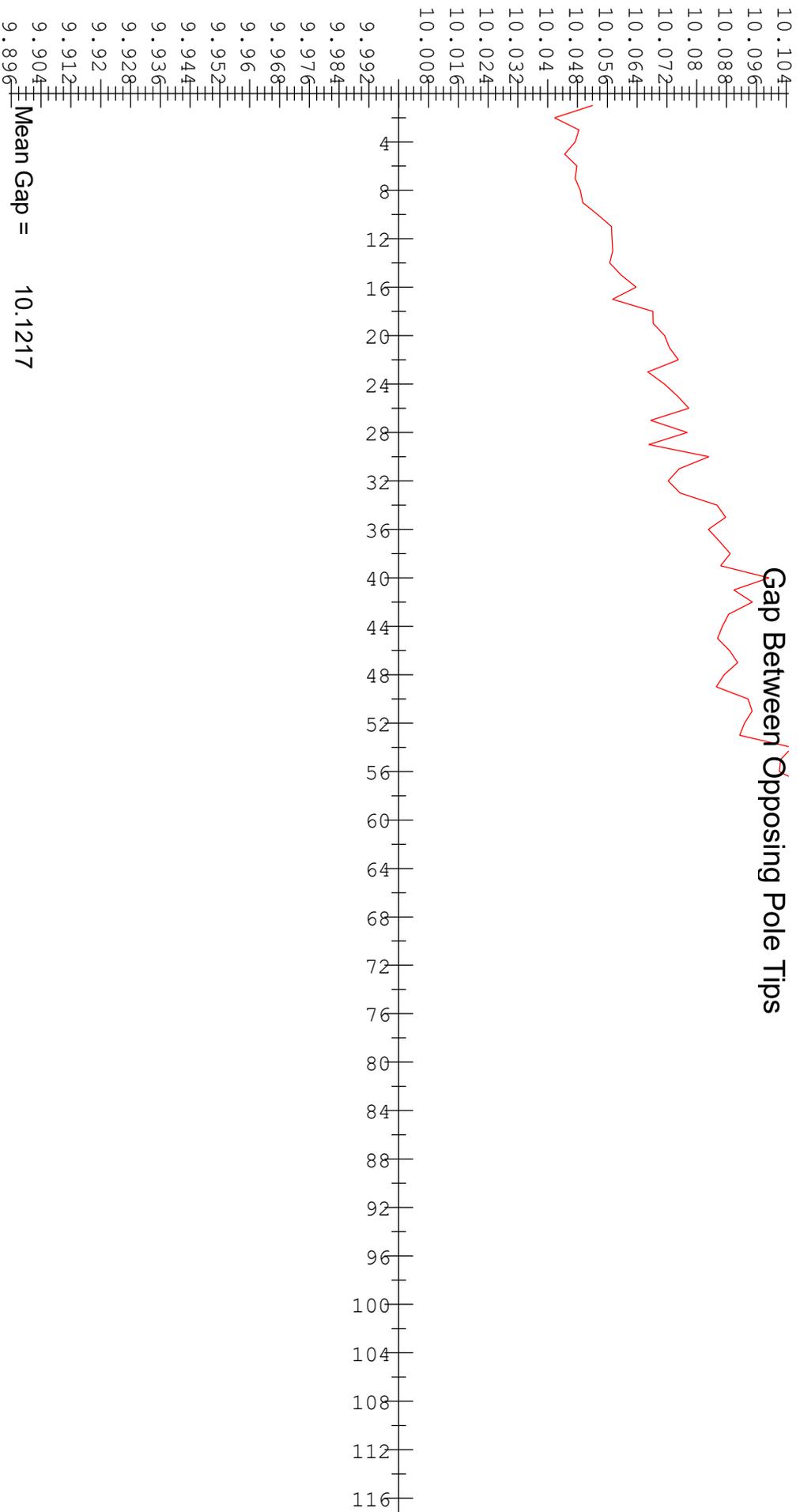


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0000 US Encoder = 9.9999 DS Encoder = 10.0000

21-AUG-2025
S/N = 004
D/S = 0001
Run = 1



Step Between Measured Pole Tips = 1

Dimensions in mm



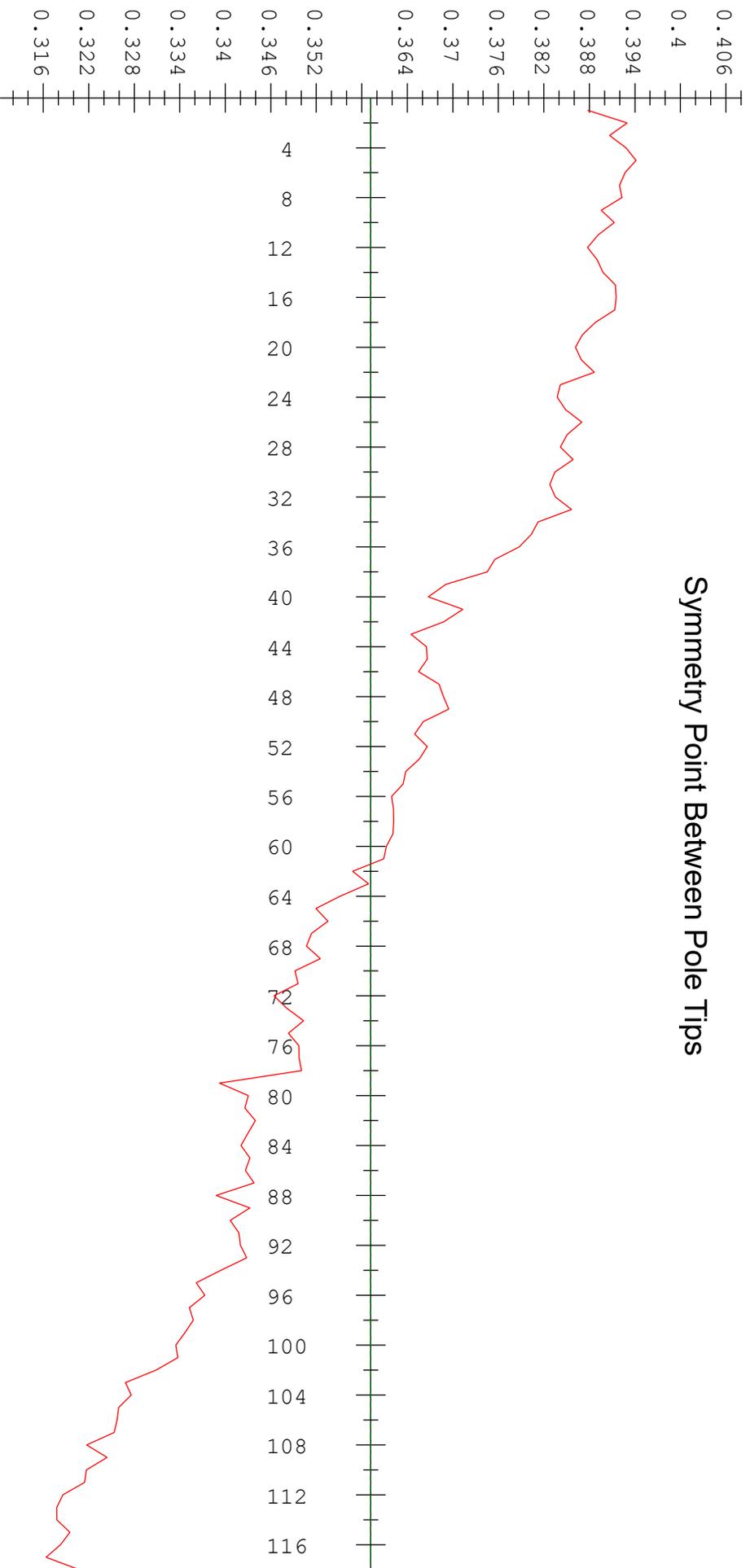
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3592

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	5.4141	5.4168	5.4231	5.4259
Bottom	-4.6162	-4.6556	-4.7462	-4.7871
Gap	10.0303			10.2130
Taper				0.1827

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4200	-4.7017	10.1217	0.3592

Additional Calculated Values

Bottom Pole #1 Z Value	978.855
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	-0.052
Minimum Effective Gap	10.035
Reference Block Gap	6.795

Dimensions in mm



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