

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

Regression Line Through Points = ---
Dimensions in mm

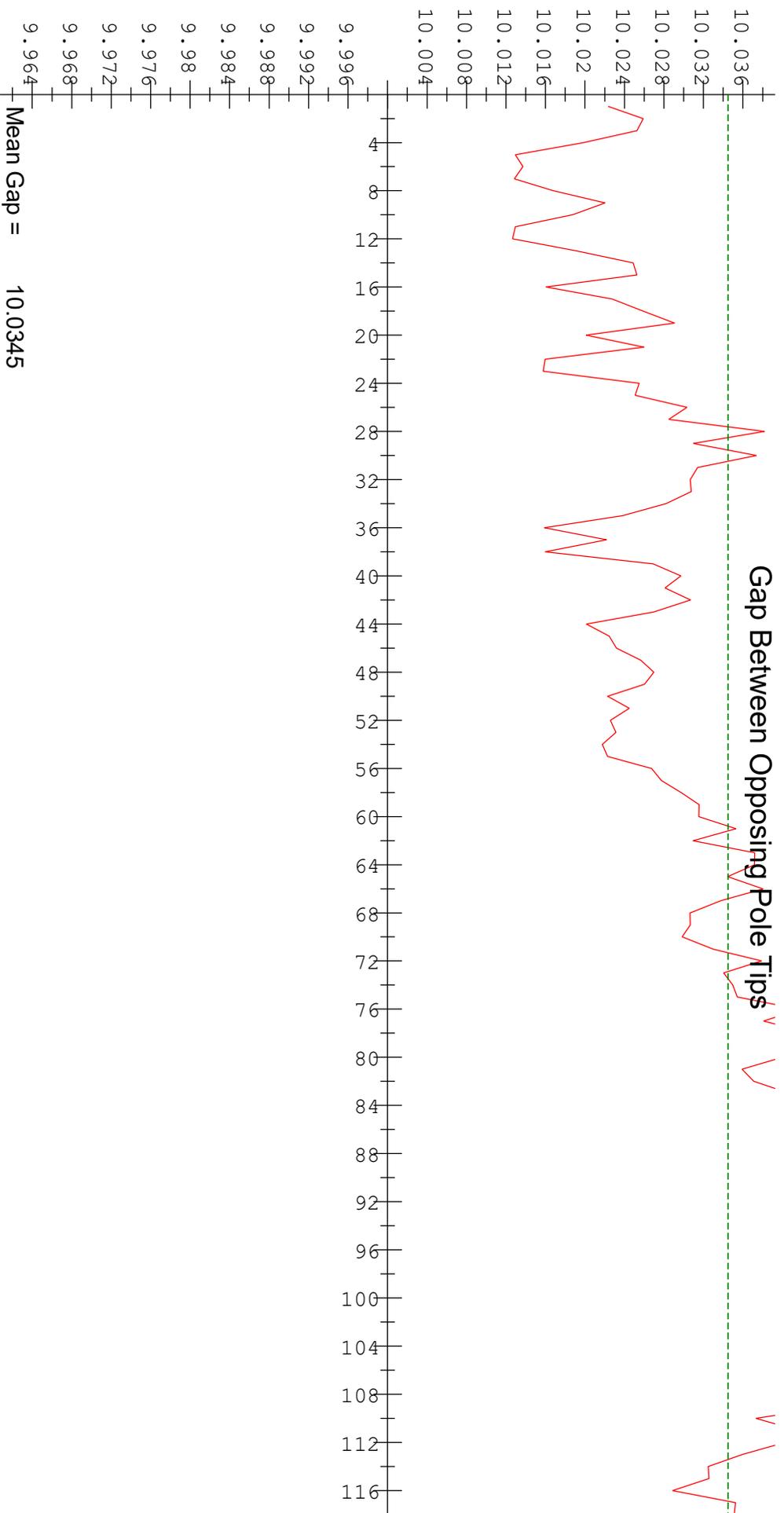


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 9.9996 US Encoder = 9.9998 DS Encoder = 9.9994

01-MAY-2025
S/N = 021
D/S = 0001
Run = 1



Step Between Measured Pole Tips = 1

Dimensions in mm



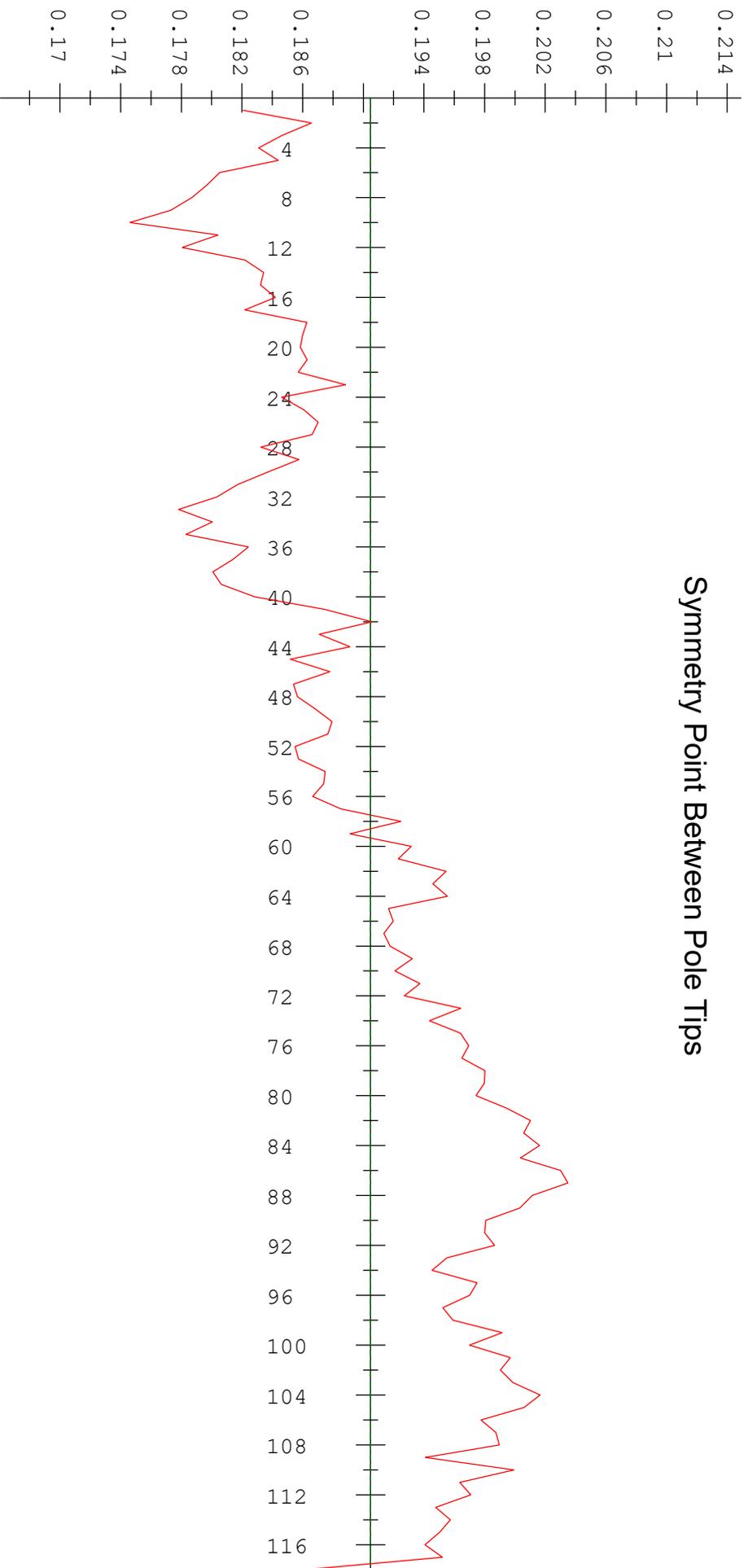
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1905

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>
Top	5.1880	5.1971	5.2180	5.2274
Bottom	-4.8279	-4.8274	-4.8262	-4.8257
Gap	10.0159			10.0531
Taper				0.0372

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2077	-4.8268	10.0345	0.1905

Additional Calculated Values

Bottom Pole #1 Z Value	978.740
Top Jaw Pitch (mrad)	0.012
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	10.002
Reference Block Gap	6.800

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