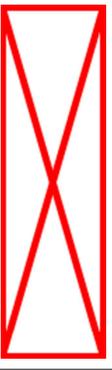


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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

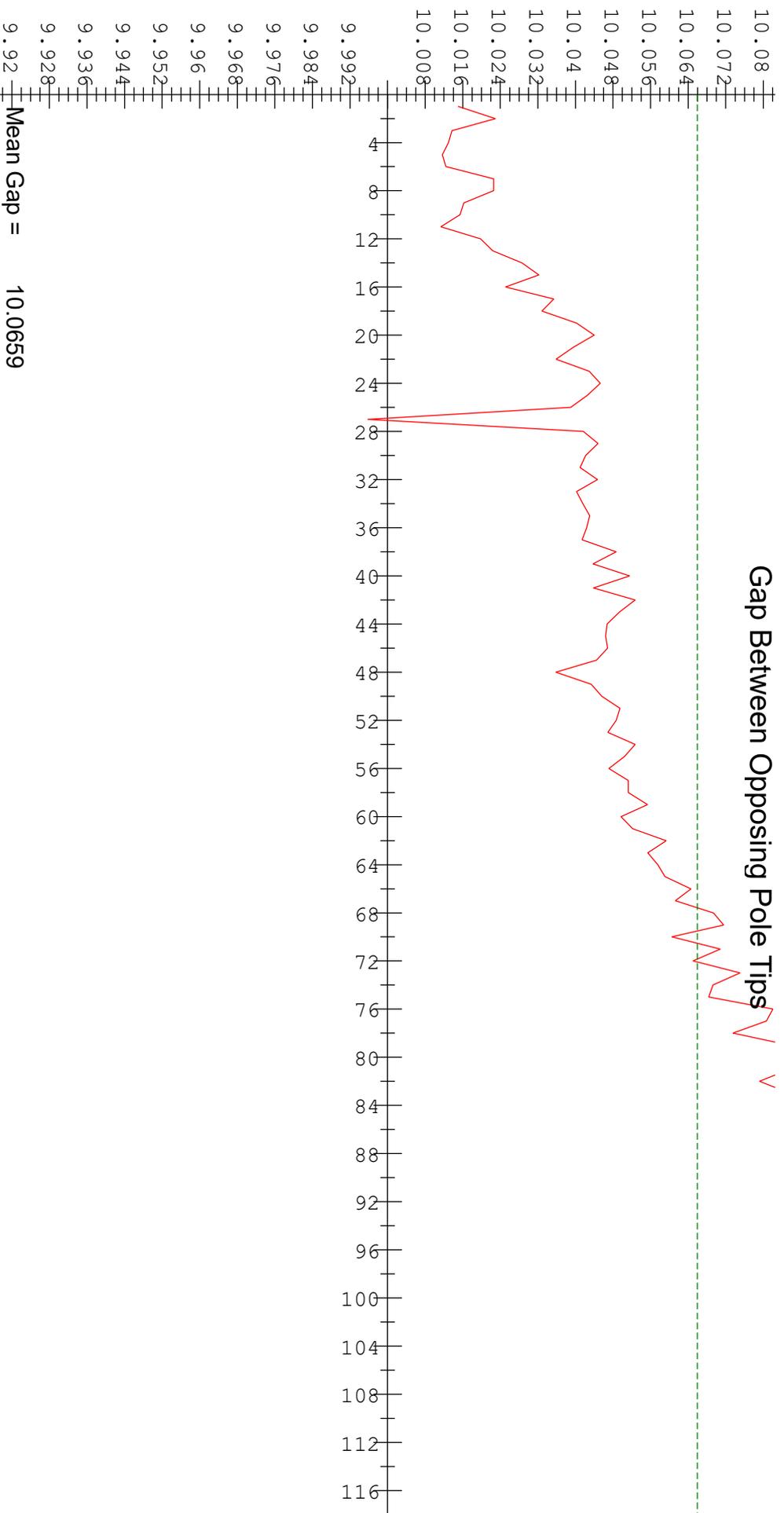


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0004 US Encoder = 10.0003 DS Encoder = 10.0005

13-JUN-2025
S/N = 006
D/S = 0001
Run = 1



Step Between Measured Pole Tips = 1

Dimensions in mm



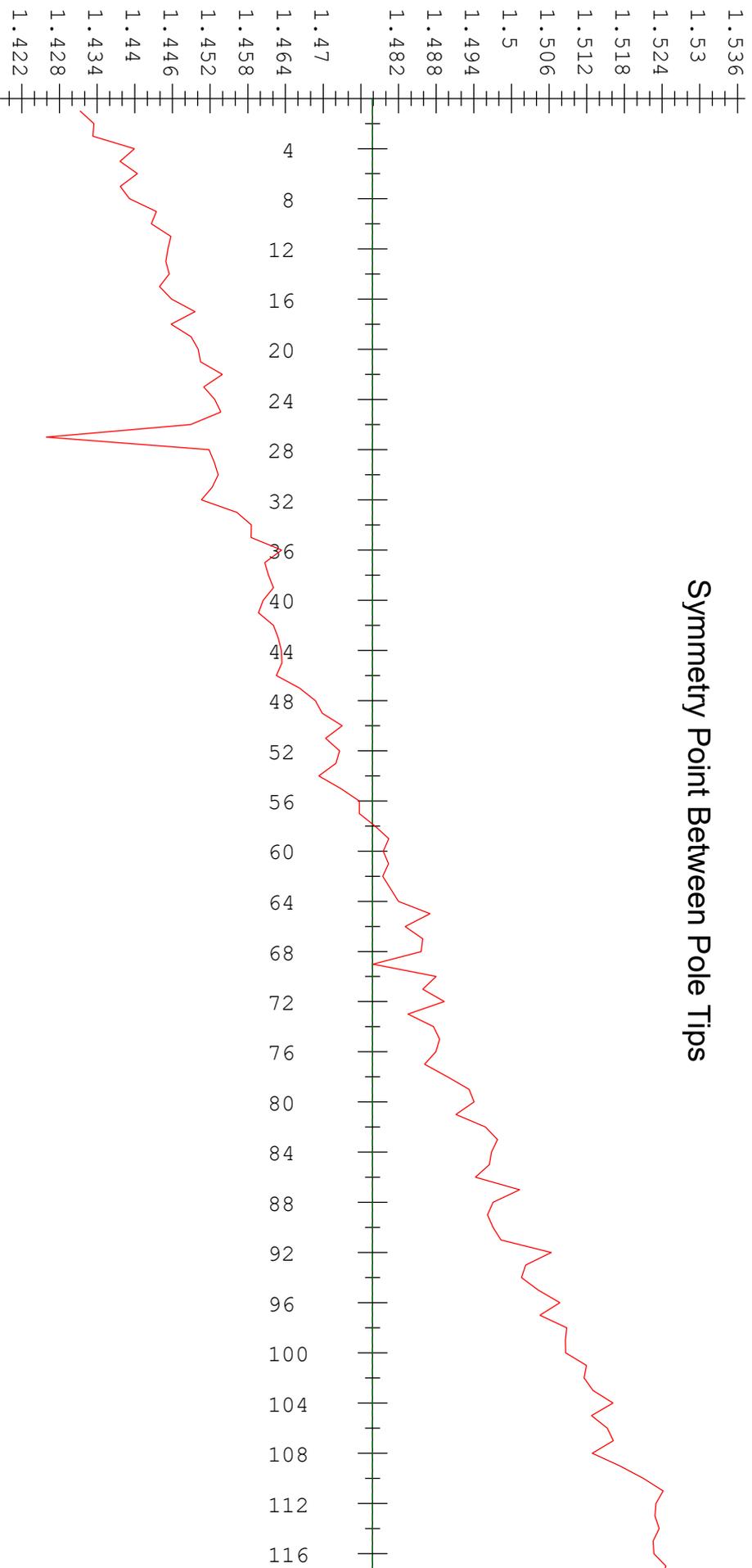
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0004 US Encoder = 10.0003 DS Encoder = 10.0005

13-JUN-2025
 S/N = 006
 D/S = 0001
 Run = 1

Symmetry Point Between Pole Tips



Mean Symmetry Value = 1.4779

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0004 US Encoder = 10.0003 DS Encoder = 10.0005

13-JUN-2025
S/N = 006
D/S = 0001
Run = 1

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	6.4361	6.4706	6.5498	6.5855
Bottom	-3.5709	-3.5636	-3.5468	-3.5393
Gap	10.0071			10.1248
Taper				0.1177

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.5108	-3.5551	10.0659	1.4779

Additional Calculated Values

Bottom Pole #1 Z Value	978.686
Top Jaw Pitch (mrad)	0.046
Bottom Jaw Pitch(mrad)	0.010
Minimum Effective Gap	9.965
Reference Block Gap	6.797

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0004 US Encoder = 10.0003 DS Encoder = 10.0005

13-JUN-2025
 S/N = 006
 D/S = 0001
 Run = 1