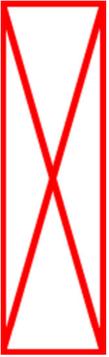


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points =
Dimensions in mm



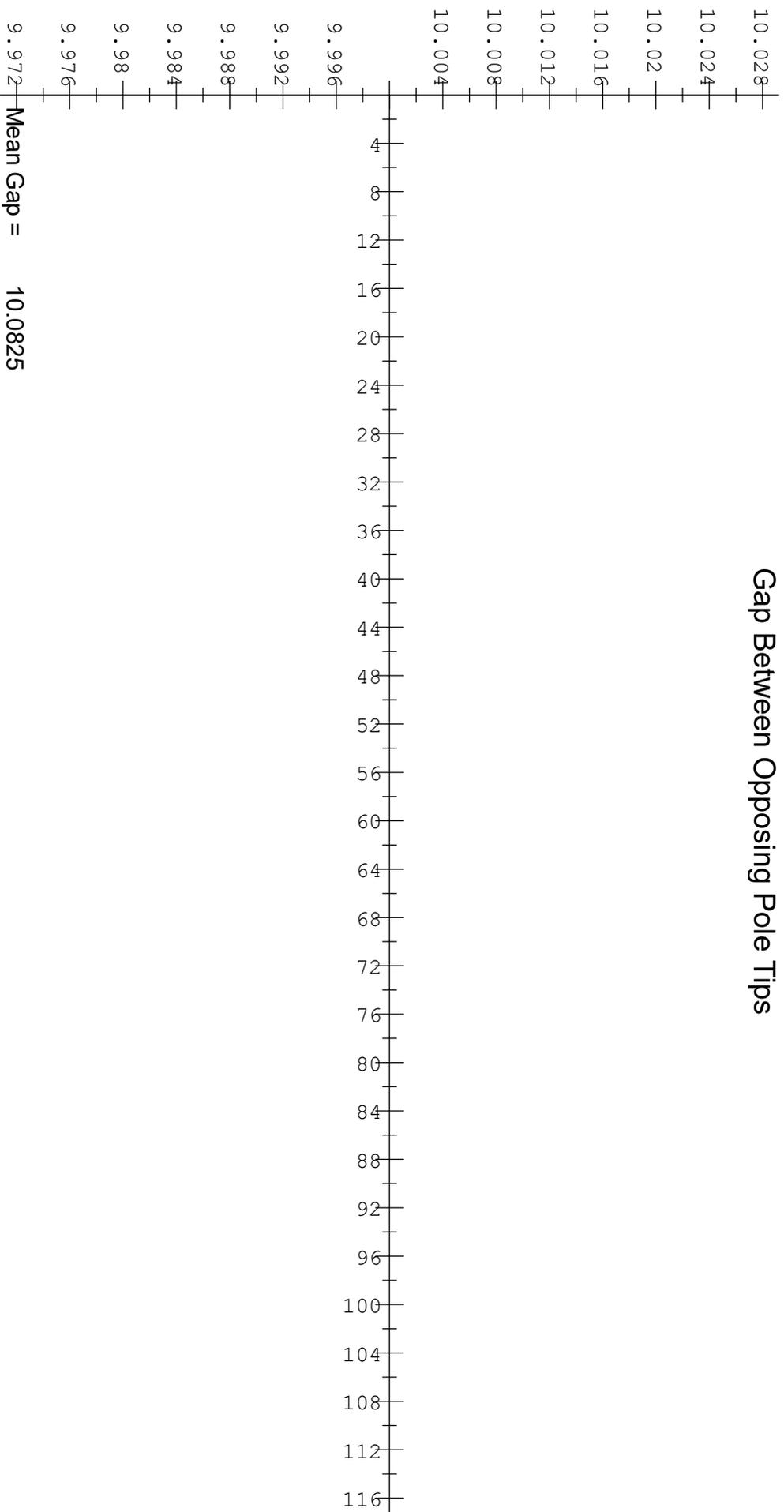
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10
Nominal Taper = 0.000
Gap Reading = 10.0004
US Encoder = 10.0010
DS Encoder = 9.9998

13-JAN-2026
S/N = 003
D/S = 0001
Run = 1

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



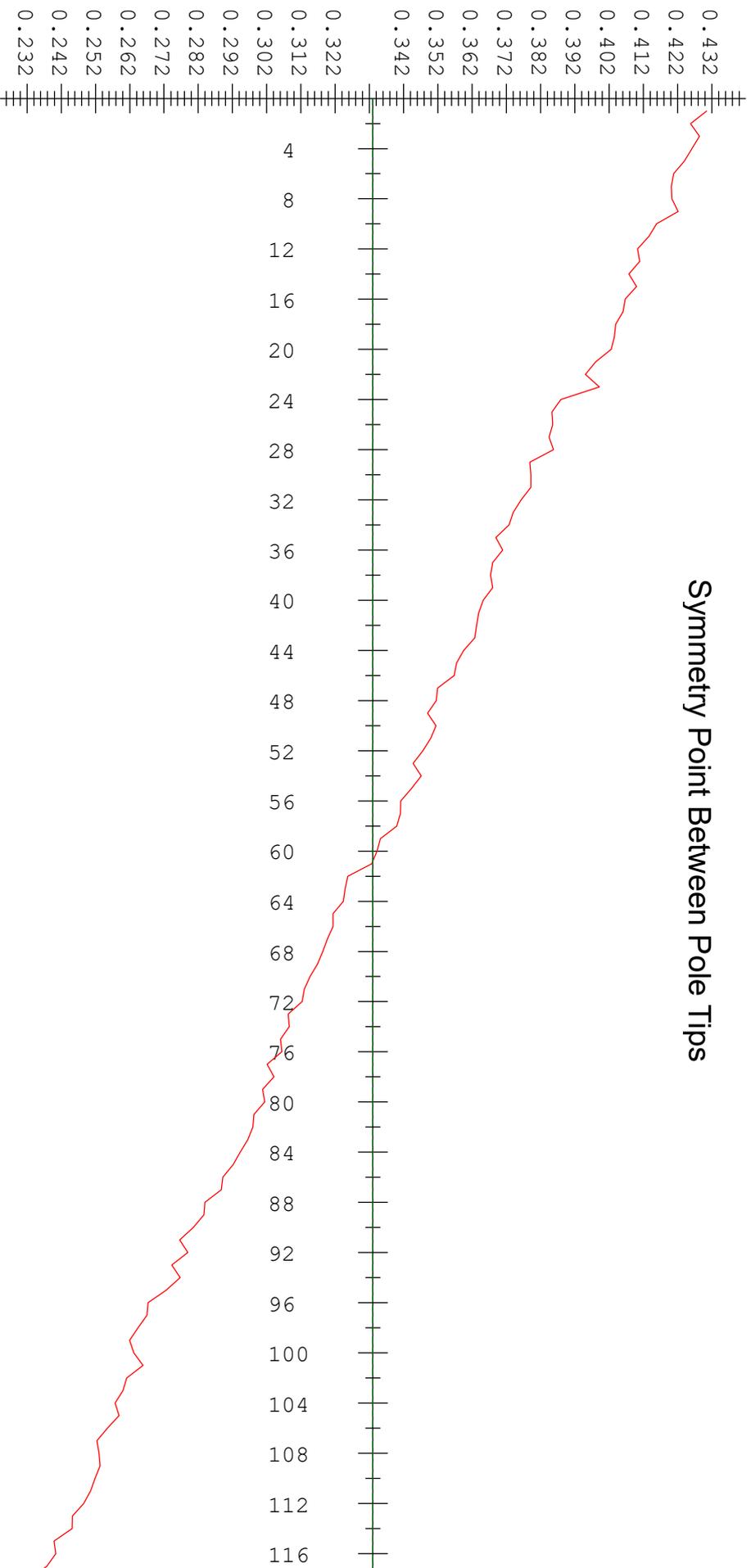
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0004 US Encoder = 10.0010 DS Encoder = 9.9998

13-JAN-2026
S/N = 003
D/S = 0001
Run = 1

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3330

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 = 10.0010 DS Encoder = 9.9998

13-JAN-2026
S/N = 003
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	5.4700	5.4258	5.3243	5.2785
Bottom	-4.6091	-4.6549	-4.7599	-4.8074
Gap	10.0791			10.0859
Taper				0.0068

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3742	-4.7082	10.0825	0.3330

Additional Calculated Values

Bottom Pole #1 Z Value	978.769
Top Jaw Pitch (mrad)	-0.058
Bottom Jaw Pitch(mrad)	-0.061
Minimum Effective Gap	9.900
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 = 10.0010 DS Encoder = 9.9998

13-JAN-2026
 S/N = 003
 D/S = 0001
 Run = 1