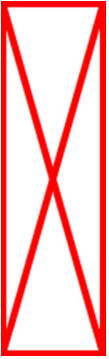


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



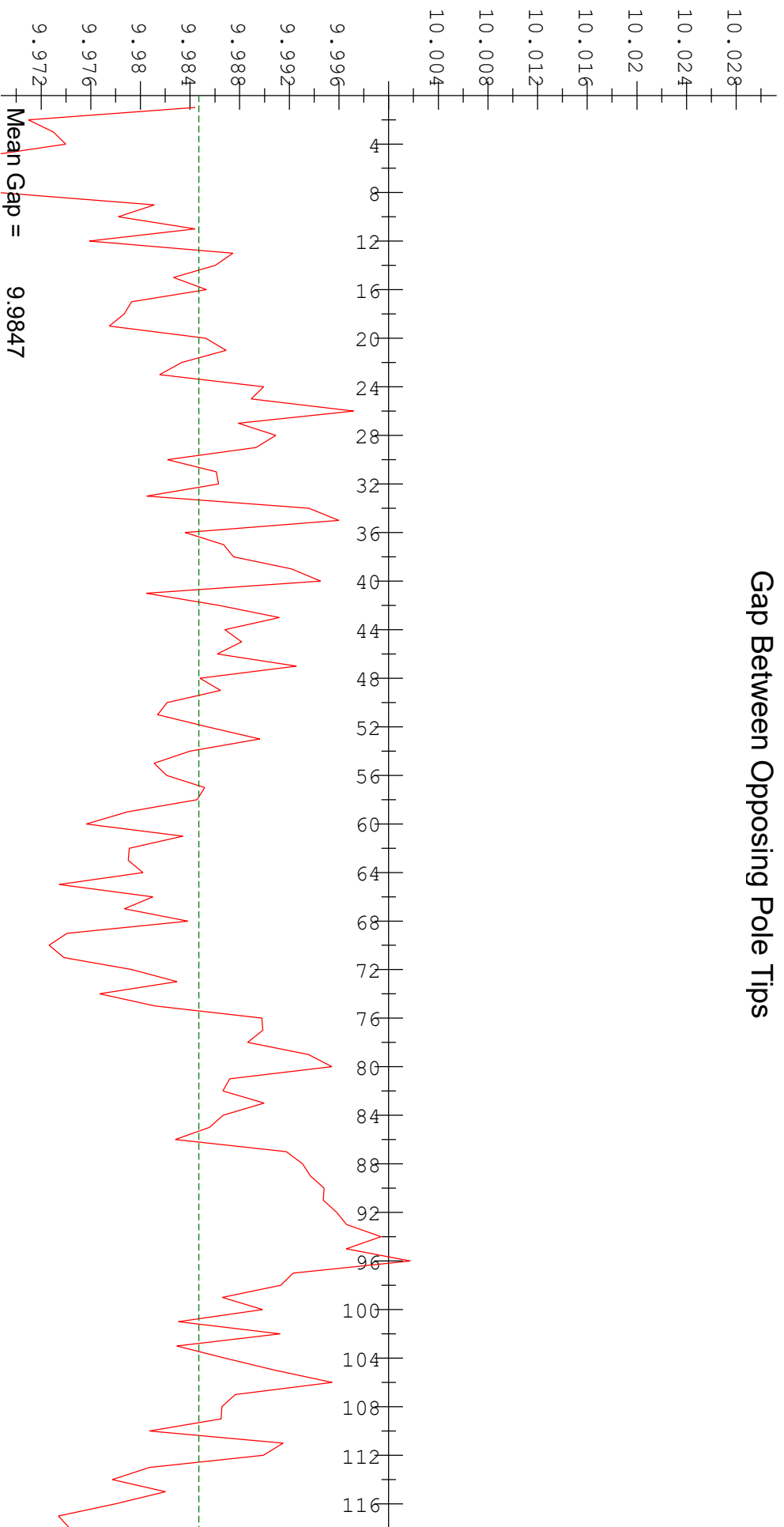
METROLOGY

LCLS II-HE - SXR Undulator

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

18-MAY-2026
S/N = 022
D/S = 0001
Run = 1

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



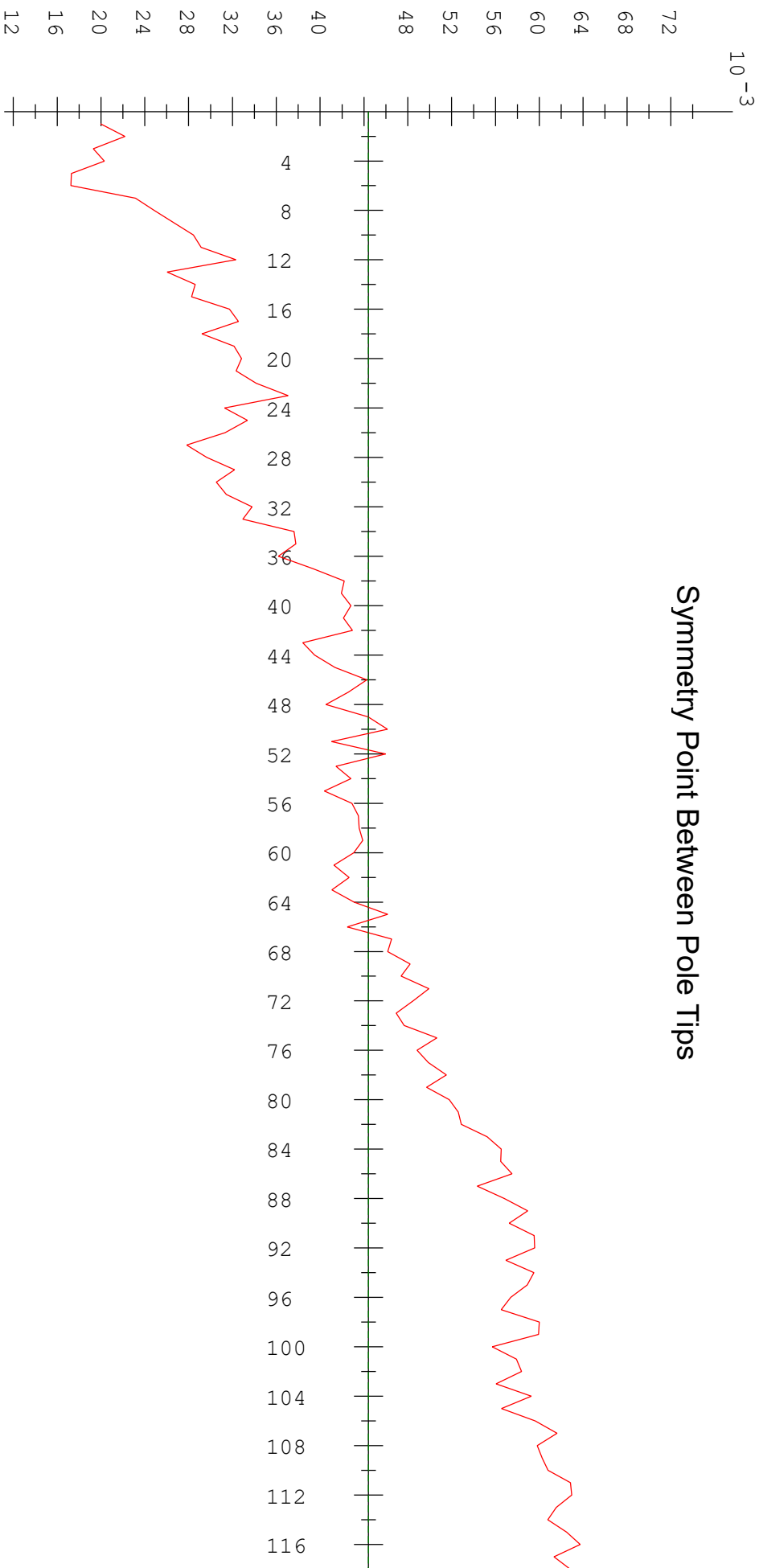
METROLOGY

LCLS II-HE - SXR Undulator

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

18-MAY-2026
S/N = 022
D/S = 0001
Run = 1

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0444

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.0000

US Encoder = 10.0000

DS Encoder = 10.0000

Nominal Taper = 0.000

18-MAY-2026

S/N = 022

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	5.0141	5.0245	5.0486	5.0595
Bottom	-4.9666	-4.9580	-4.9382	-4.9293
Gap	9.9807			9.9888
Taper				0.0081

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0368	-4.9479	9.9847	0.0444

Additional Calculated Values

Bottom Pole #1 Z Value	978.334
Top Jaw Pitch (mrad)	0.014
Bottom Jaw Pitch(mrad)	0.011
Minimum Effective Gap	9.924
Reference Block Gap	6.793

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

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

18-MAY-2026
 S/N = 022
 D/S = 0001
 Run = 1