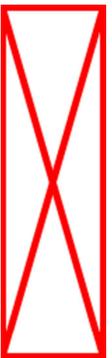


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



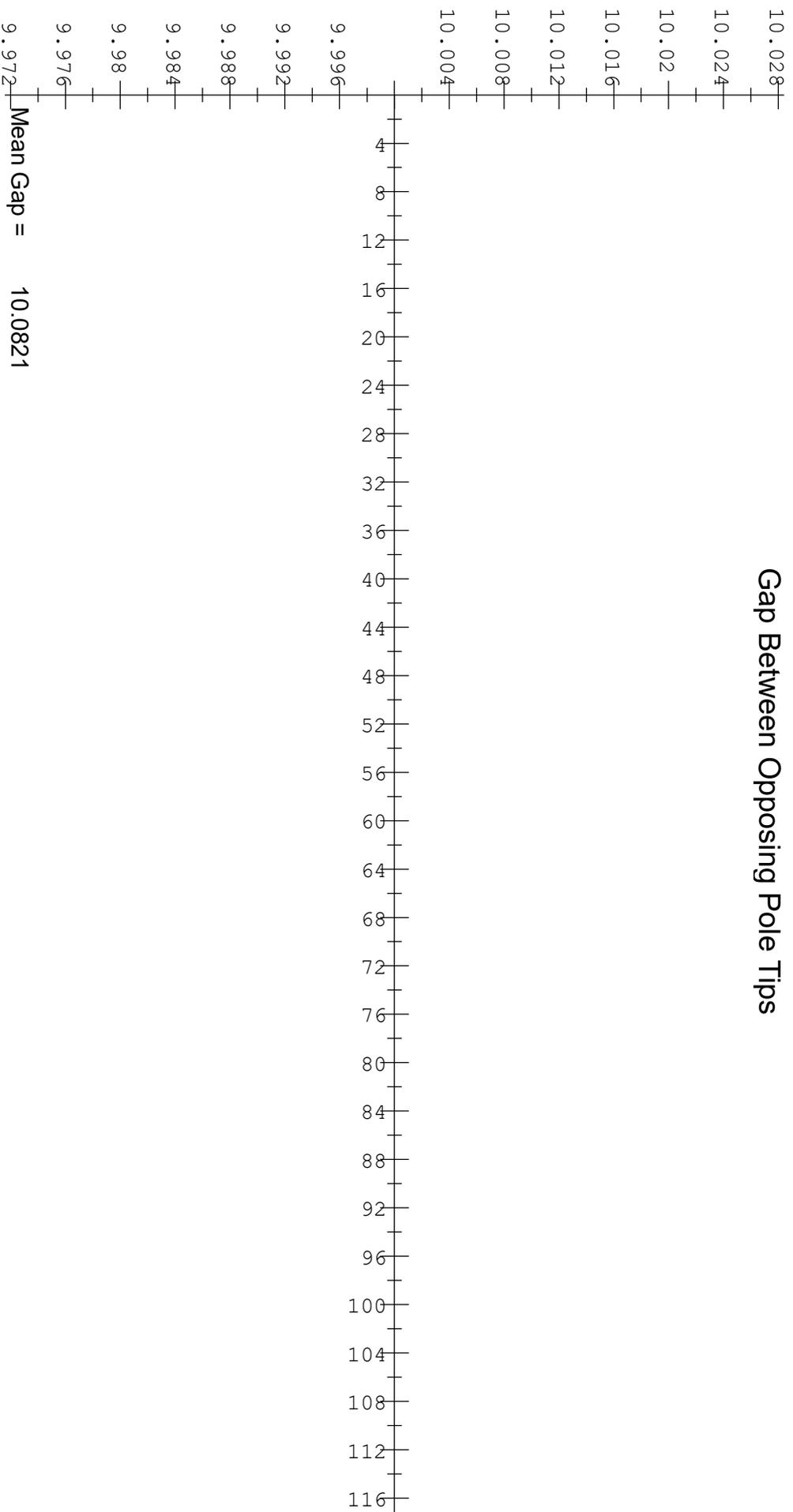
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0002 US Encoder = 10.0005 DS Encoder = 9.9999

14-JAN-2026
S/N = 003
D/S = 0001
Run = 3

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



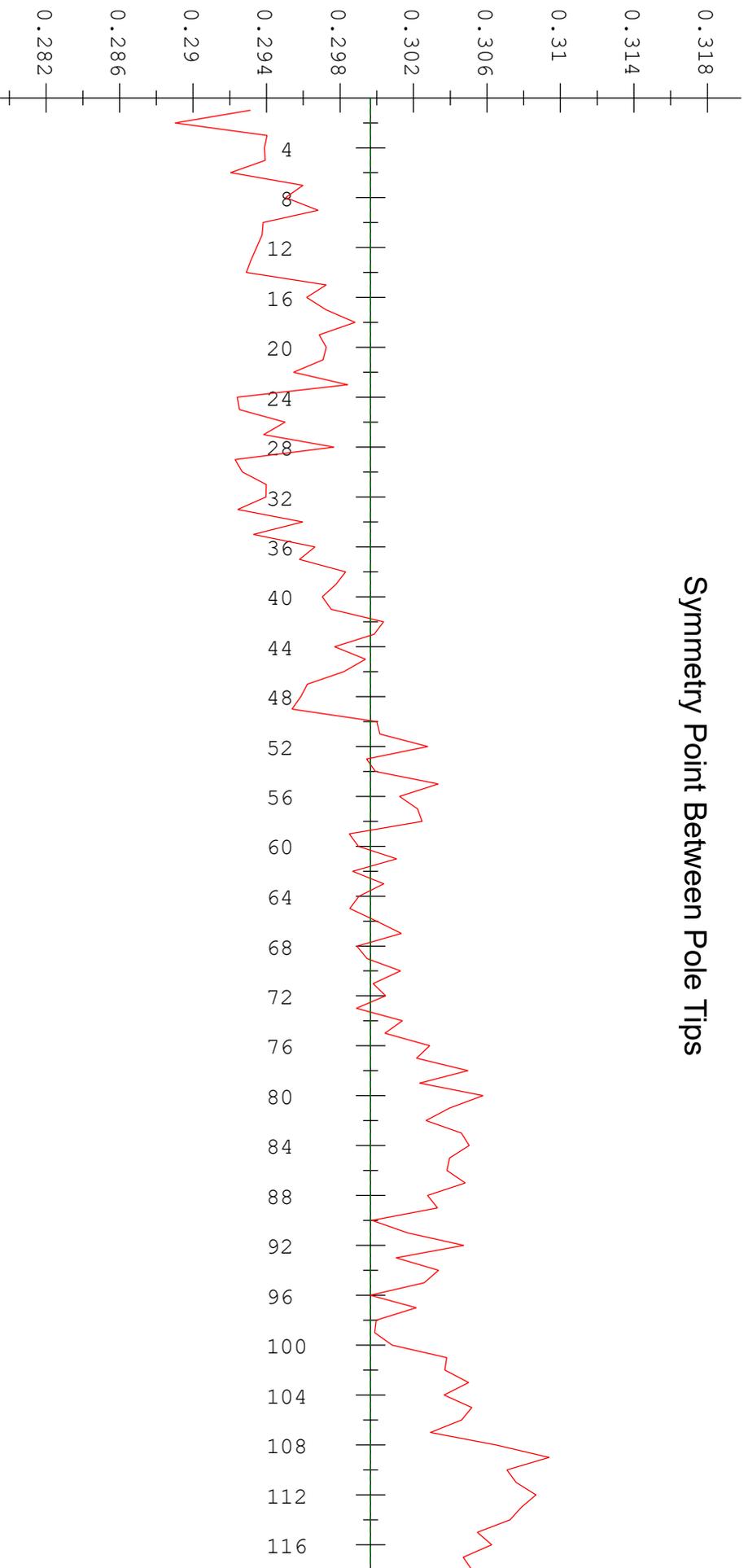
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0002 US Encoder = 10.0005 DS Encoder = 9.9999

14-JAN-2026
S/N = 003
D/S = 0001
Run = 3

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2997

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0002 US Encoder = 10.0005 DS Encoder = 9.9999

14-JAN-2026
S/N = 003
D/S = 0001
Run = 3

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	5.3330	5.3366	5.3447	5.3484
Bottom	-4.7470	-4.7444	-4.7384	-4.7358
Gap	10.0800			10.0841
Taper				0.0041

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3407	-4.7414	10.0821	0.2997

Additional Calculated Values

Bottom Pole #1 Z Value	978.726
Top Jaw Pitch (mrad)	0.005
Bottom Jaw Pitch(mrad)	0.003
Minimum Effective Gap	10.056
Reference Block Gap	6.798

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0002 US Encoder = 10.0005 DS Encoder = 9.9999

14-JAN-2026
 S/N = 003
 D/S = 0001
 Run = 3