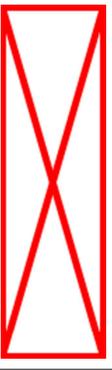


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



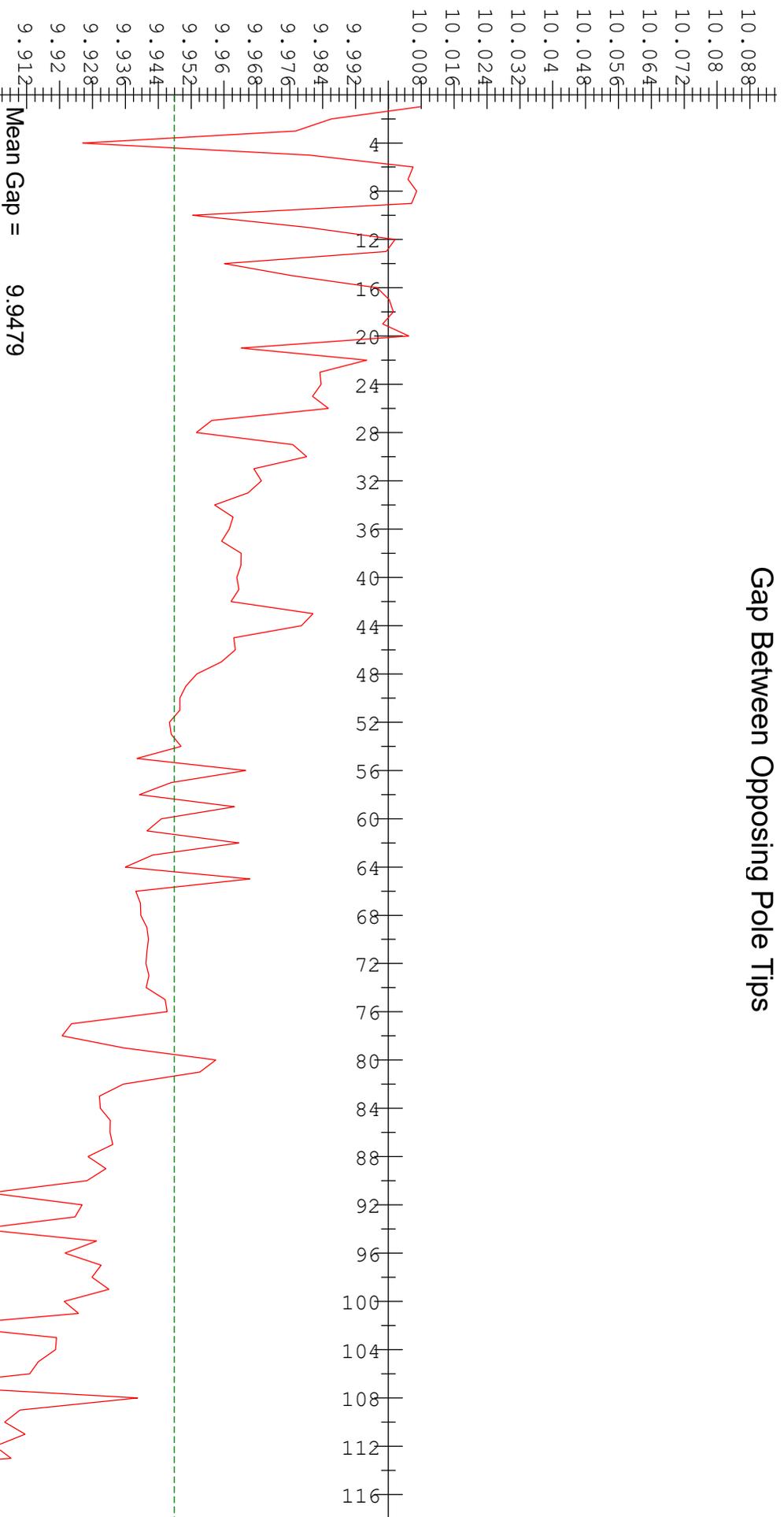
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10
Nominal Taper = -0.100
Gap Reading = 9.9499
US Encoder = 9.9999
DS Encoder = 9.8999

14-OCT-2025
S/N = 010
D/S = 0001
Run = 7

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 = -0.100

Gap Reading = 9.9499

US Encoder = 9.9999

DS Encoder = 9.8999

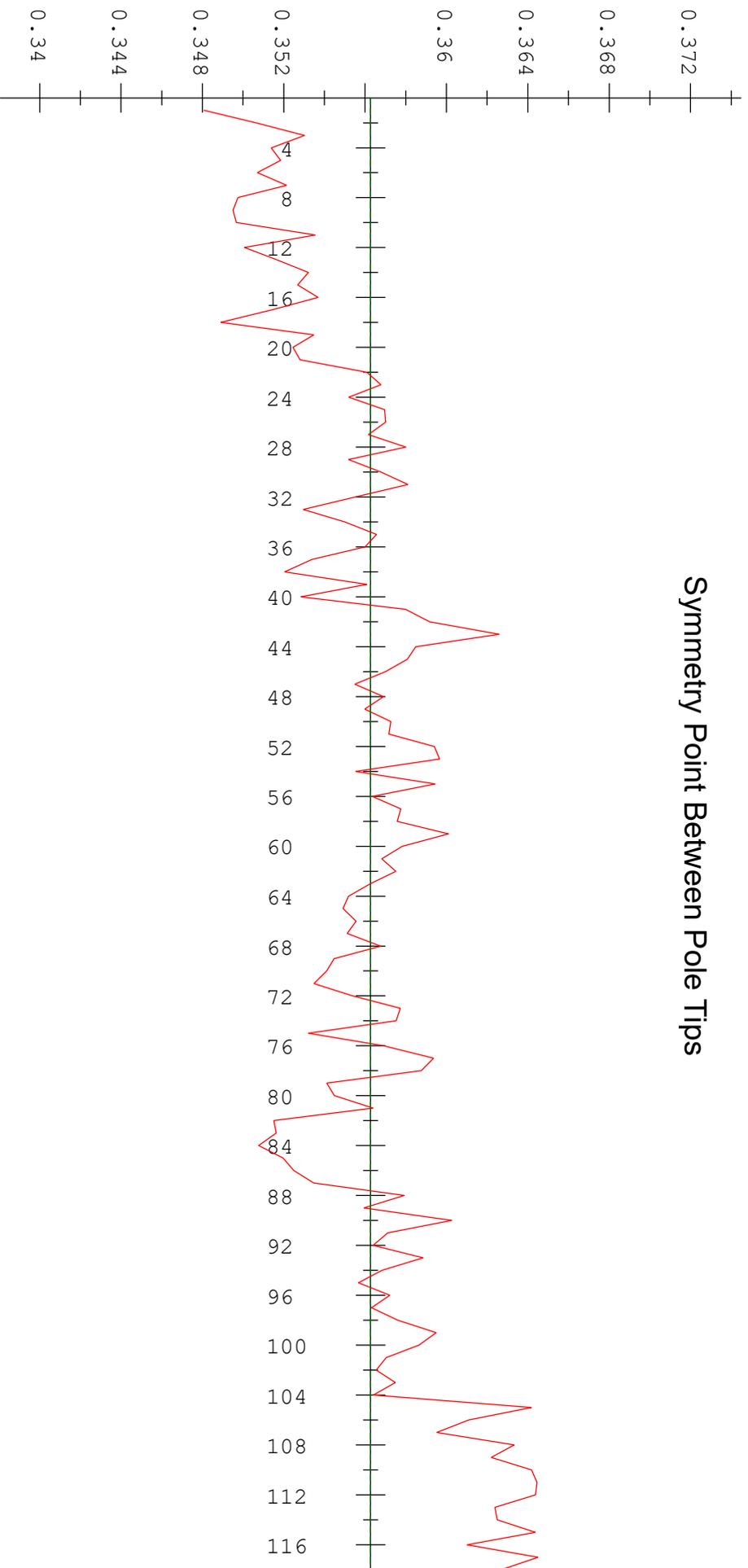
14-OCT-2025

S/N = 010

D/S = 0001

Run = 7

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3563

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Gap Reading = 9.9499

US Encoder = 9.9999

DS Encoder = 9.8999

Nominal Taper = -0.100

14-OCT-2025
S/N = 010
D/S = 0001
Run = 7

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	5.3508	5.3413	5.3195	5.3096
Bottom	-4.6466	-4.6332	-4.6026	-4.5888
Gap	9.9974			9.8984
Taper				-0.0990

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3302	-4.6177	9.9479	0.3563

Additional Calculated Values

Bottom Pole #1 Z Value	979.191
Top Jaw Pitch (mrad)	-0.013
Bottom Jaw Pitch(mrad)	0.018
Minimum Effective Gap	9.839
Reference Block Gap	6.798

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
 Gap Reading = 9.9499 US Encoder = 9.9999 DS Encoder = 9.8999

14-OCT-2025
 S/N = 010
 D/S = 0001
 Run = 7