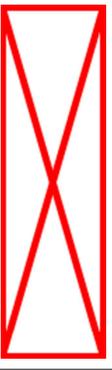


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



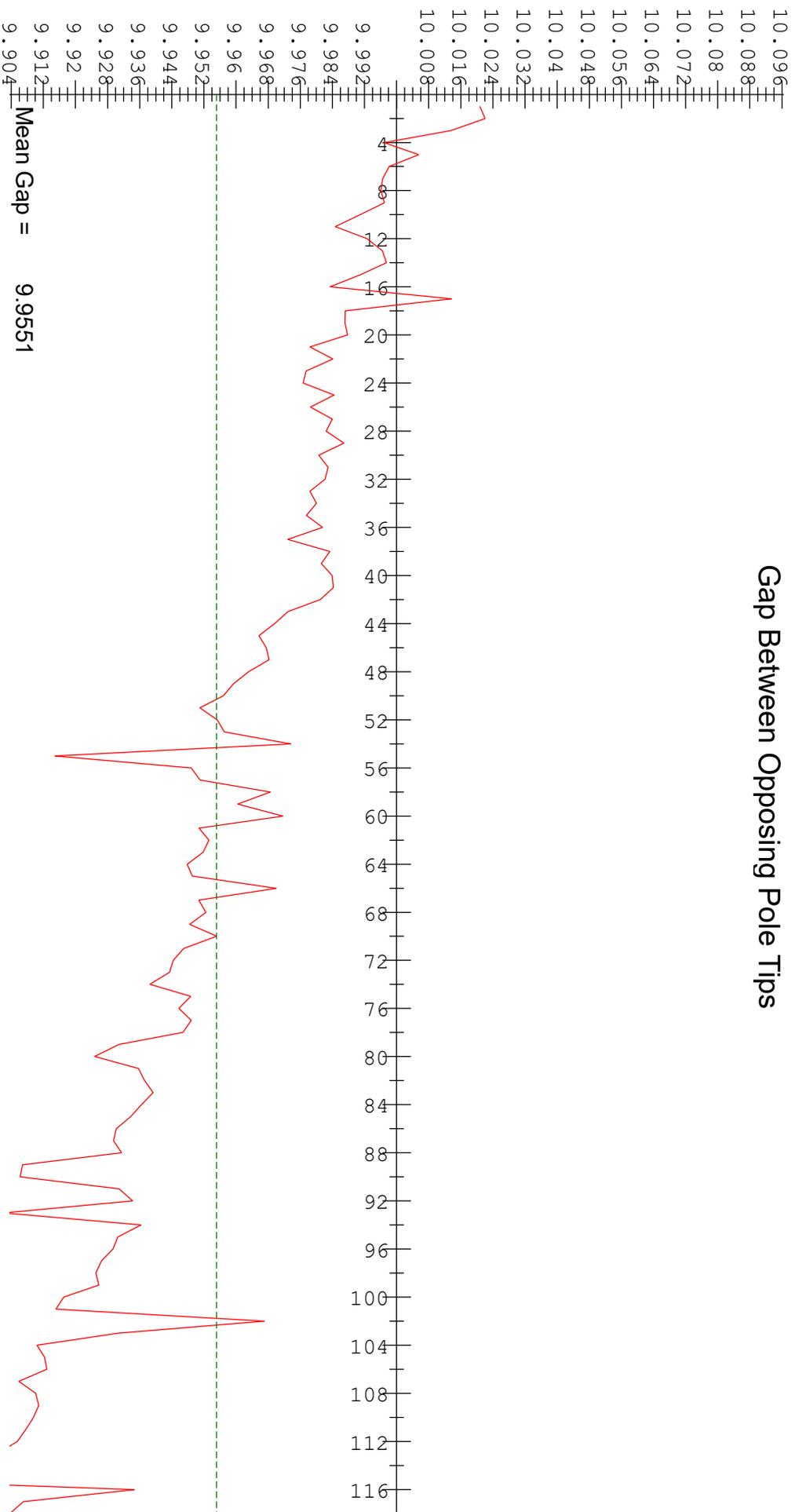
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9499 US Encoder = 10.0000 DS Encoder = 9.9000

26-FEB-2025
S/N = 028
D/S = 0001
Run = 6

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 = 10.0000

DS Encoder = 9.9000

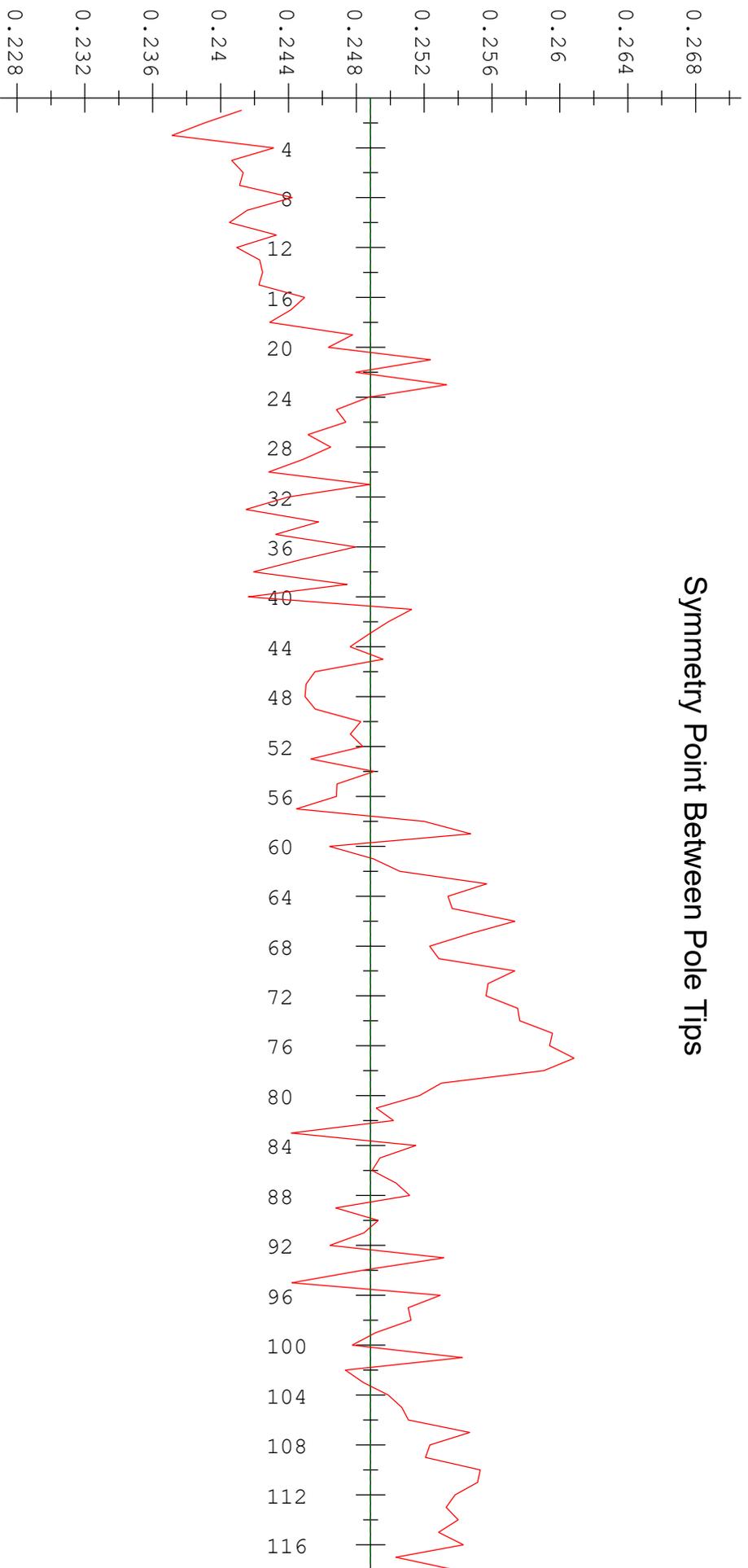
26-FEB-2025

S/N = 028

D/S = 0001

Run = 6

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2488

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 = 10.0000 DS Encoder = 9.9000

26-FEB-2025
S/N = 028
D/S = 0001
Run = 6

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	5.2465	5.2372	5.2159	5.2063
Bottom	-4.7602	-4.7457	-4.7123	-4.6973
Gap	10.0067			9.9036
Taper				-0.1031

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2264	-4.7287	9.9551	0.2488

Additional Calculated Values

Bottom Pole #1 Z Value	978.646
Top Jaw Pitch (mrad)	-0.012
Bottom Jaw Pitch(mrad)	0.019
Minimum Effective Gap	9.849
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 = 10.0000 DS Encoder = 9.9000

26-FEB-2025
 S/N = 028
 D/S = 0001
 Run = 6