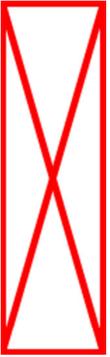


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



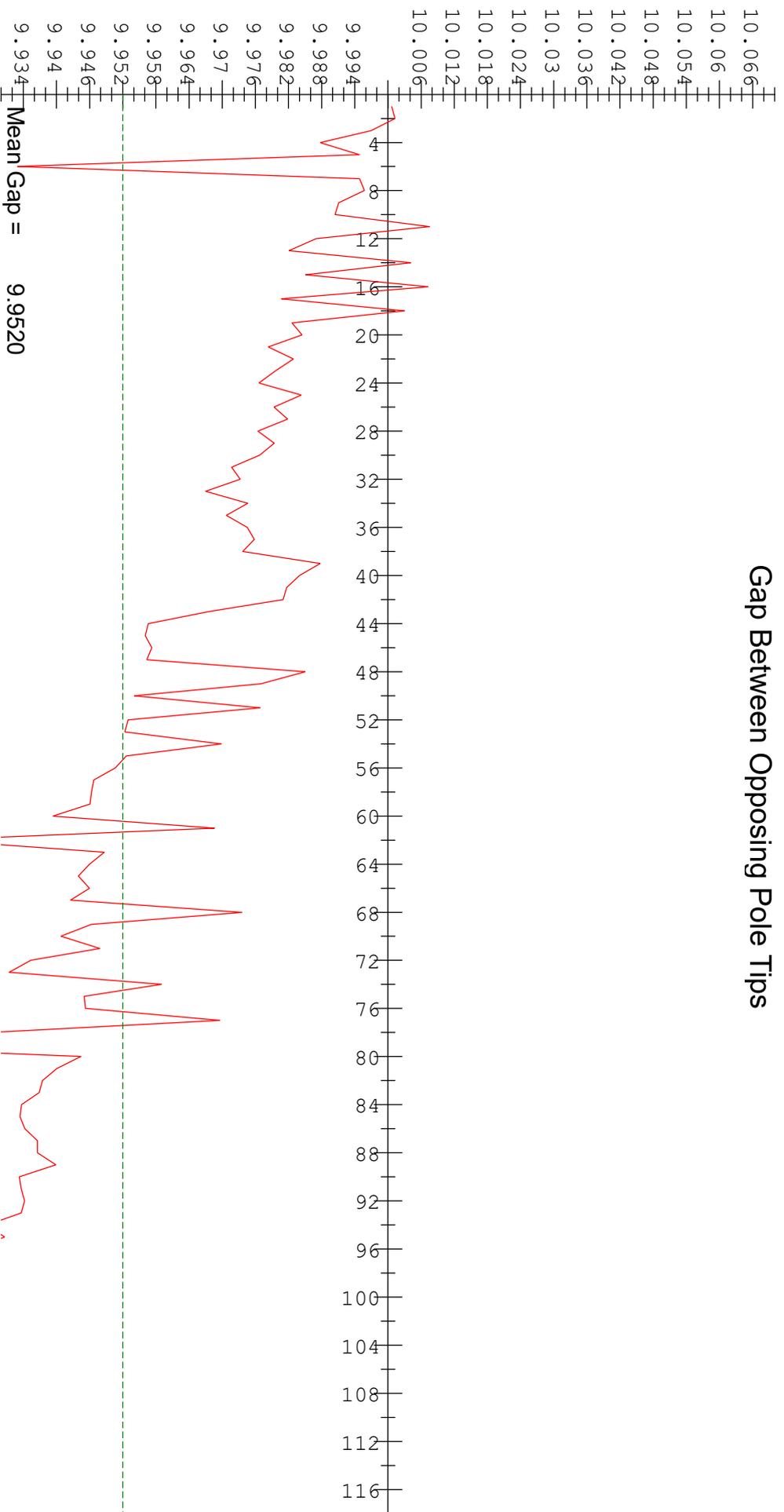
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

28-JAN-2025
S/N = 029
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

Gap Reading = 9.9500

US Encoder = 10.0000

Nominal Taper = -0.100

DS Encoder = 9.9000

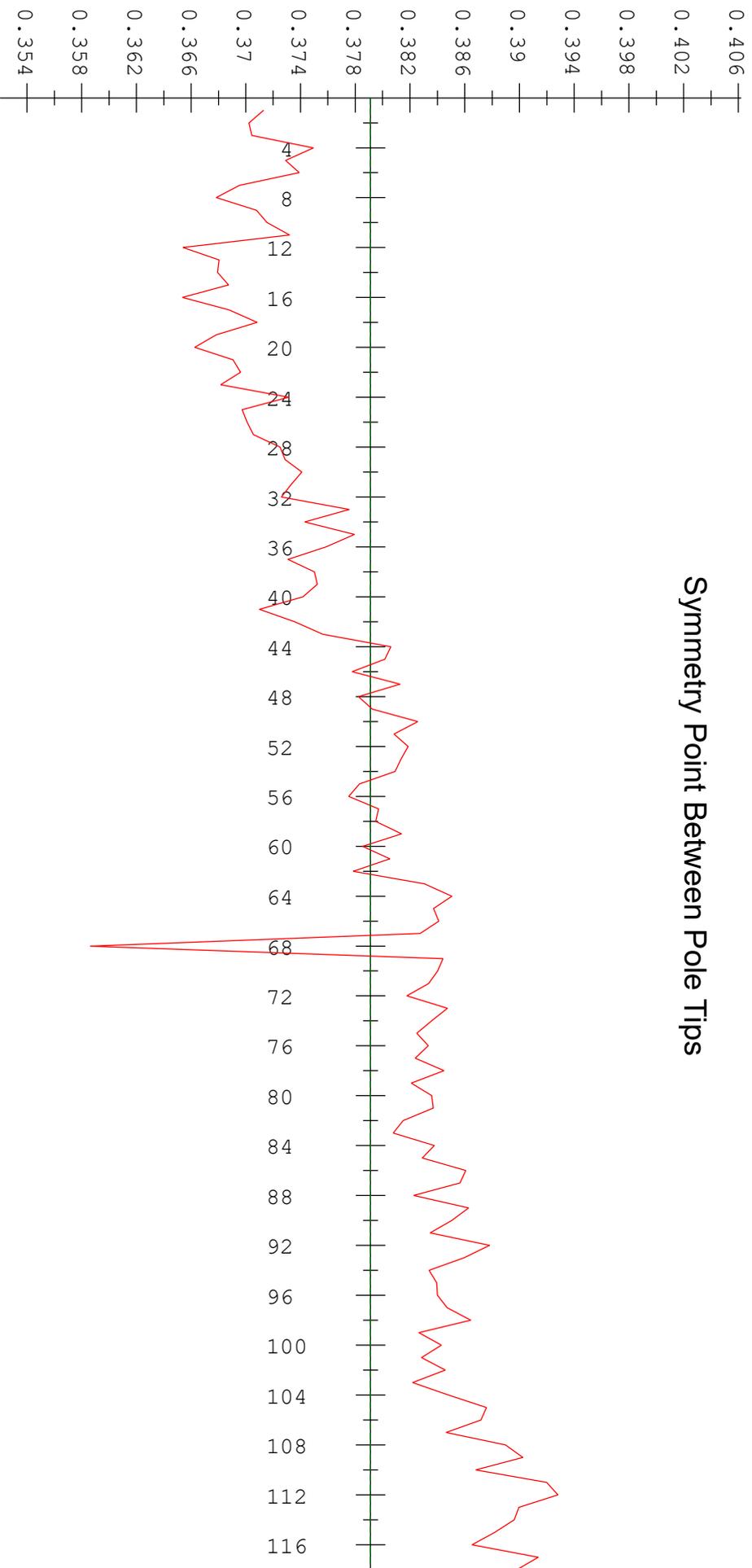
28-JAN-2025

S/N = 029

D/S = 0001

Run = 6

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3791

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Gap Reading = 9.9500

US Encoder = 10.0000

Nominal Taper = -0.100

DS Encoder = 9.9000

28-JAN-2025

S/N = 029

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	5.3690	5.3626	5.3479	5.3413
Bottom	-4.6320	-4.6158	-4.5786	-4.5618
Gap	10.0010			9.9030
Taper				-0.0980

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3551	-4.5969	9.9520	0.3791

Additional Calculated Values

Bottom Pole #1 Z Value	978.587
Top Jaw Pitch (mrad)	-0.008
Bottom Jaw Pitch(mrad)	0.021
Minimum Effective Gap	9.886
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
 Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

28-JAN-2025
 S/N = 029
 D/S = 0001
 Run = 6