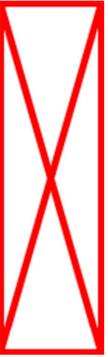


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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

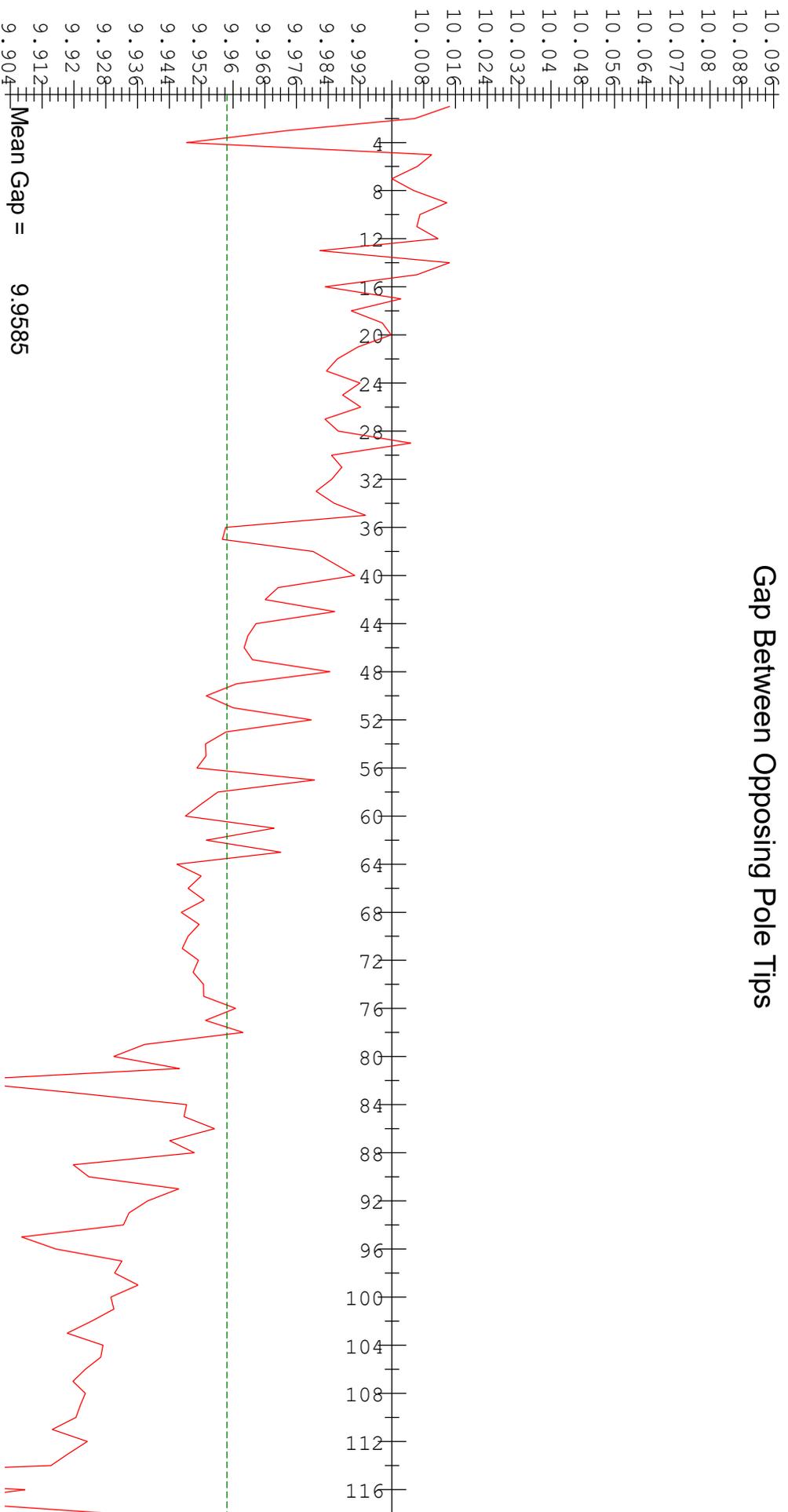


METROLOGY

LCLS II-HE - SXR Undulator

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

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

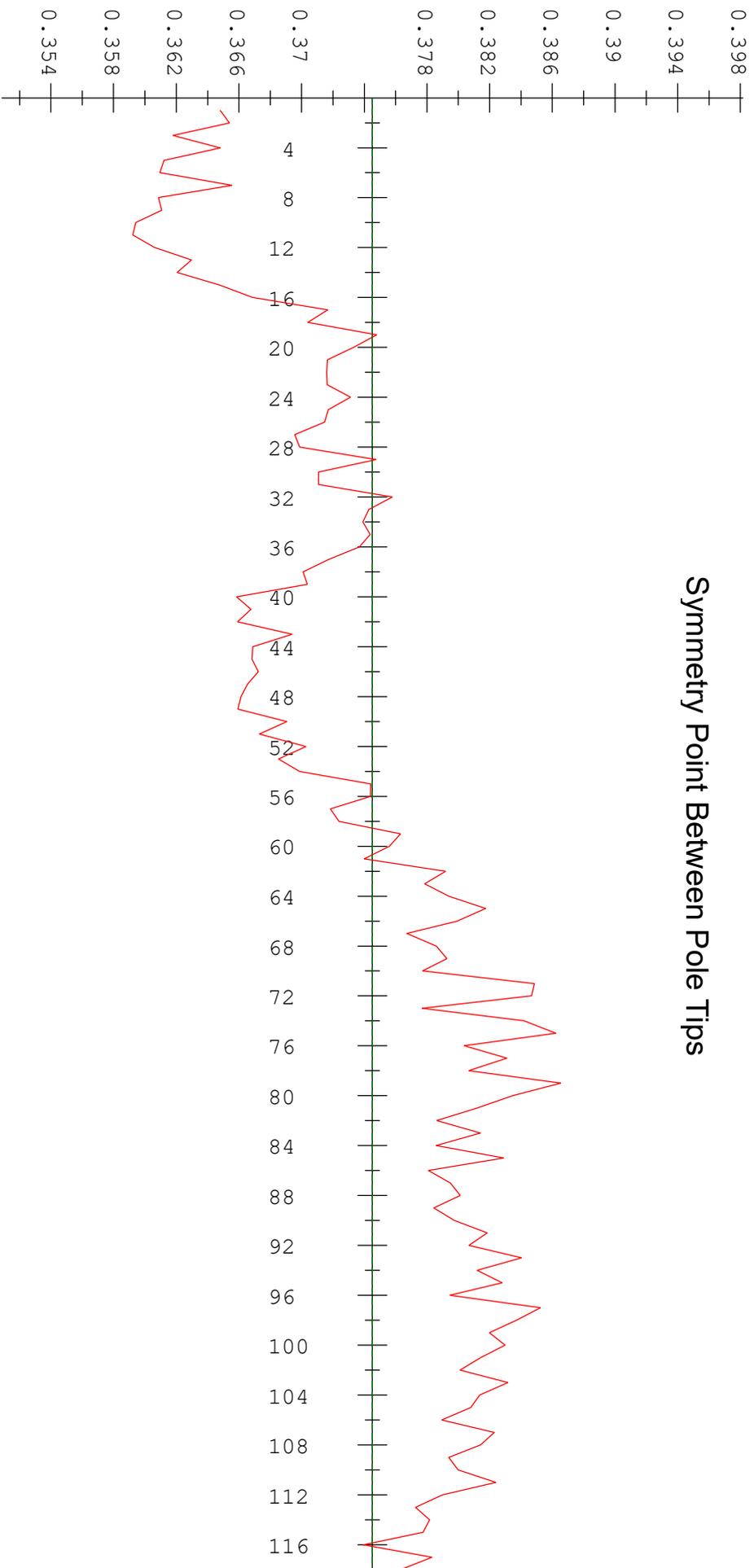
24-SEP-2025

S/N = 001

D/S = 0001

Run = 5

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3745

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

24-SEP-2025

S/N = 001

D/S = 0001

Run = 5

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	5.3686	5.3617	5.3460	5.3389
Bottom	-4.6392	-4.6233	-4.5868	-4.5703
Gap	10.0078			9.9092
Taper				-0.0985

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3538	-4.6047	9.9585	0.3745

Additional Calculated Values

Bottom Pole #1 Z Value	978.836
Top Jaw Pitch (mrad)	-0.009
Bottom Jaw Pitch(mrad)	0.021
Minimum Effective Gap	9.840
Reference Block Gap	6.796

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

24-SEP-2025
 S/N = 001
 D/S = 0001
 Run = 5