Top Jaw Pole Tips

Y Dev. from Mean

Mean TOP = 5.0868

Regression Line Ang. (mrad) = 0.0037

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.935

Pole Tip Num. ---->

Y Dev. from Mean

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

Mean BTM = -4.9183

Regression Line Ang. (mrad) = 0.0041

Regression Line Through Points =
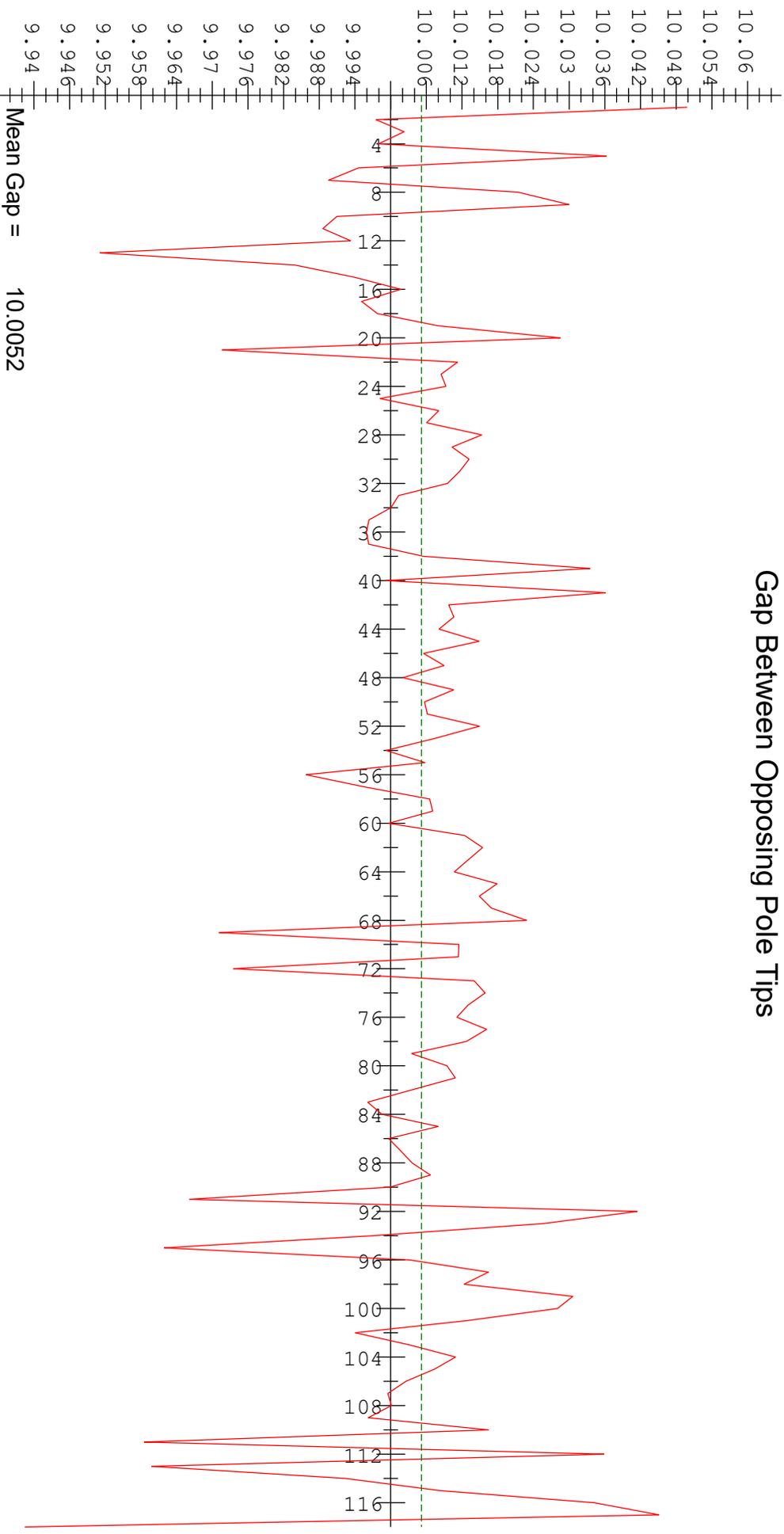Dimensions in mm
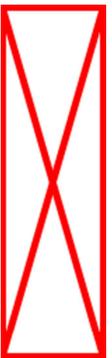
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000
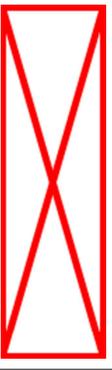Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

03-JUL-2023	S/N = 000
	D/S = 0003
	Run = 5

LCLS II-HE - SXR Undulator

Gap Between Opposing Pole Tips

Dimensions in mm

METROLOGY	

Step Between Measured Pole Tips = **1**

Mean Gap = 10.0052

Nominal Gap = 10   Nominal Taper = 0.000

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

03-JUL-2023
S/N = 000
D/S = 0003
Run= 5

Symmetry Point Between Pole Tips

Dimensions in mm

Mean Symmetry Value = 0.0843

Step Between Measured Pole Tips = 1
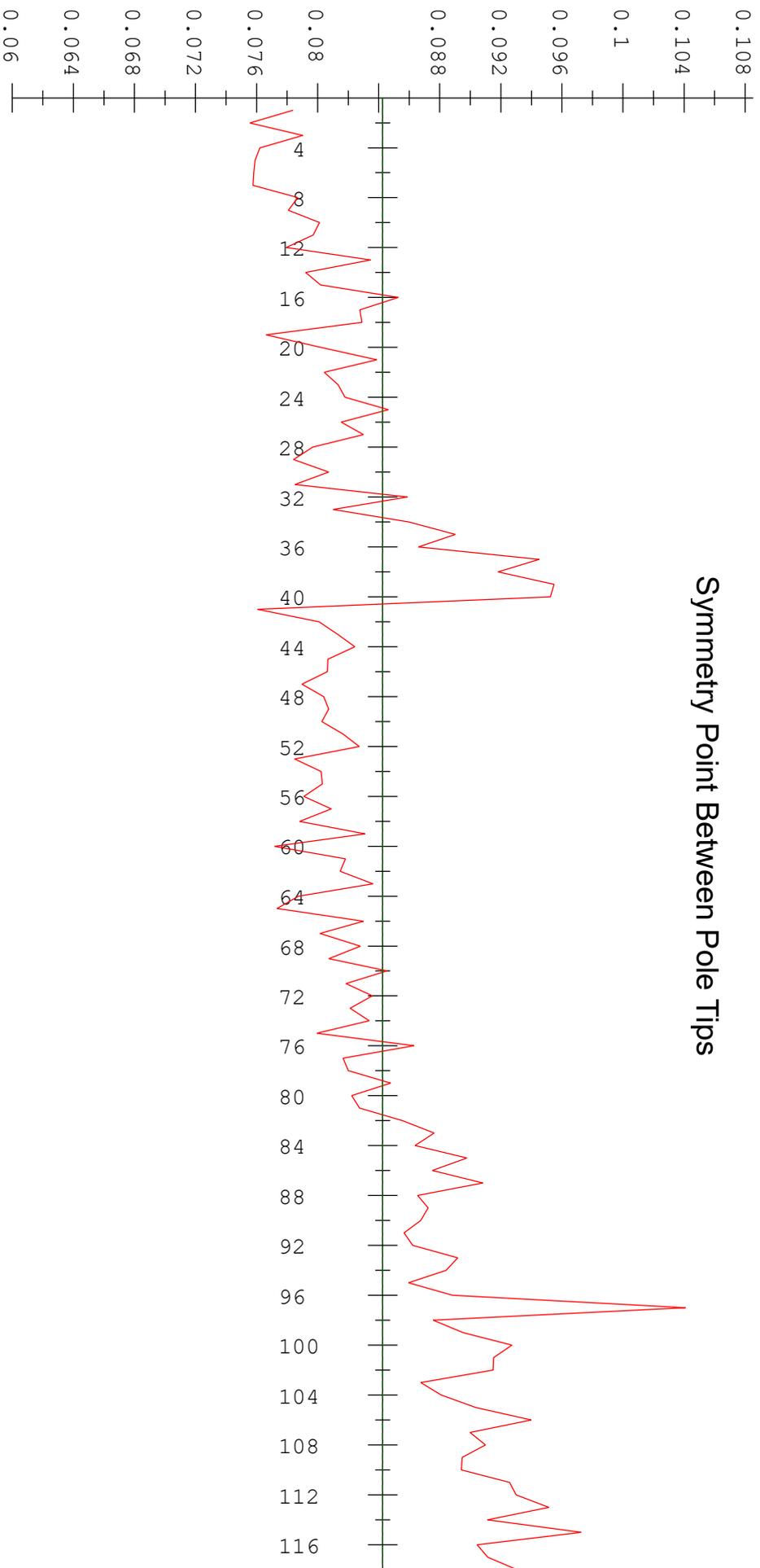
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

03-JUL-2023
S/N = 000
D/S= 0003
Run= 5

Top and Bottom Jaw
Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 28)	DS Actuator (Pole 90)	Last Pole (Pole 118)
Top	5.0807	5.0835	5.0900	5.0930
Bottom	-4.9250	-4.9219	-4.9148	-4.9116
Gap	10.0057		10.0046	
Taper				-0.0012

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0868	-4.9183	10.0052	0.0843

Additional Calculated Values

Bottom Pole #1 Z Value	974.878
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	0.004
Minimum Effective Gap	9.935
Reference Block Gap	6.798

LCLS II-HE - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

03-JUL-2023
S/N = 000
D/S= 0003
Run= 5

Dimensions in mm