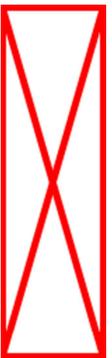


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



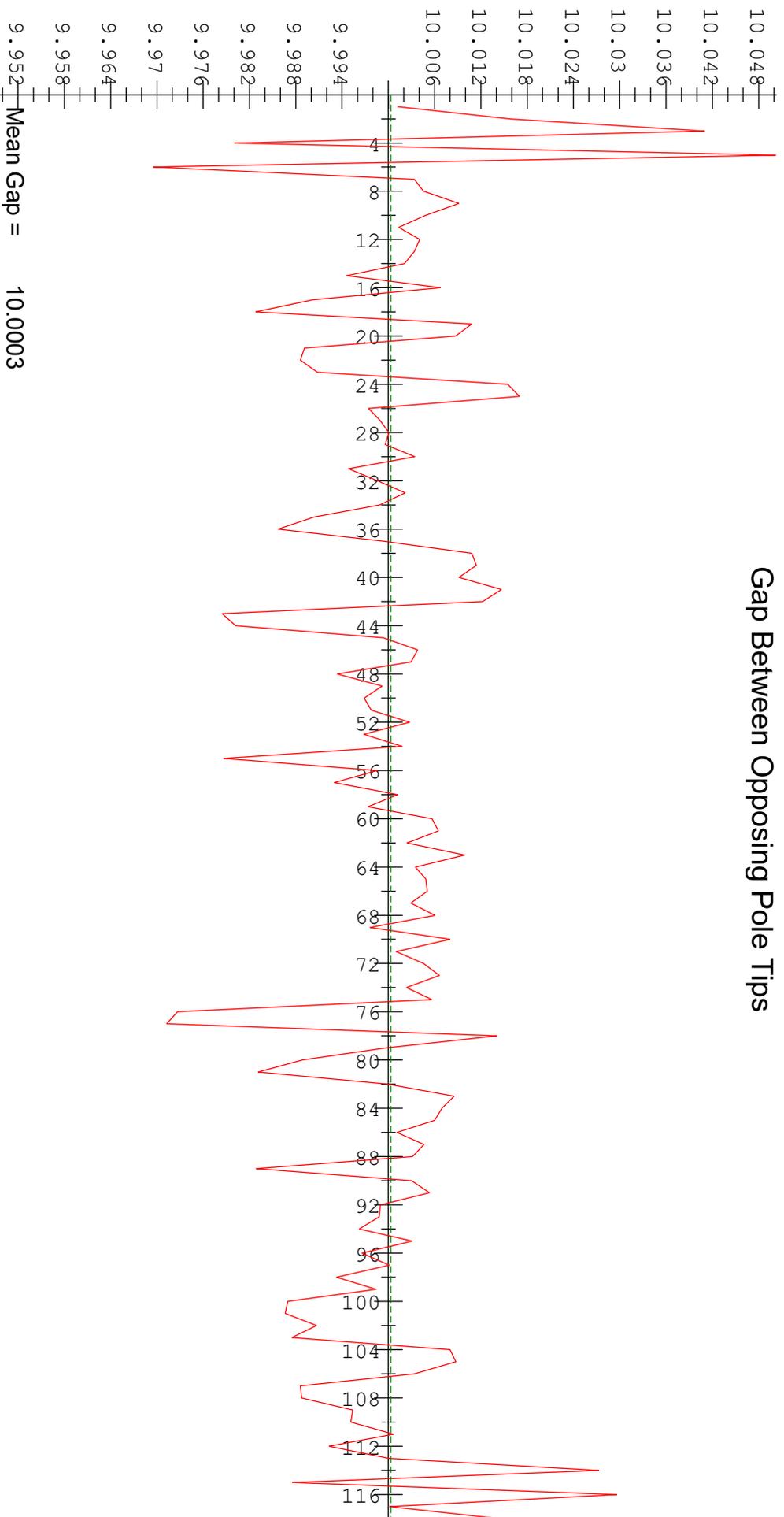
METROLOGY

LCLS II-HE - SXR Undulator

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

16-JUL-2024
S/N = 023
D/S = 0001
Run = 28

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



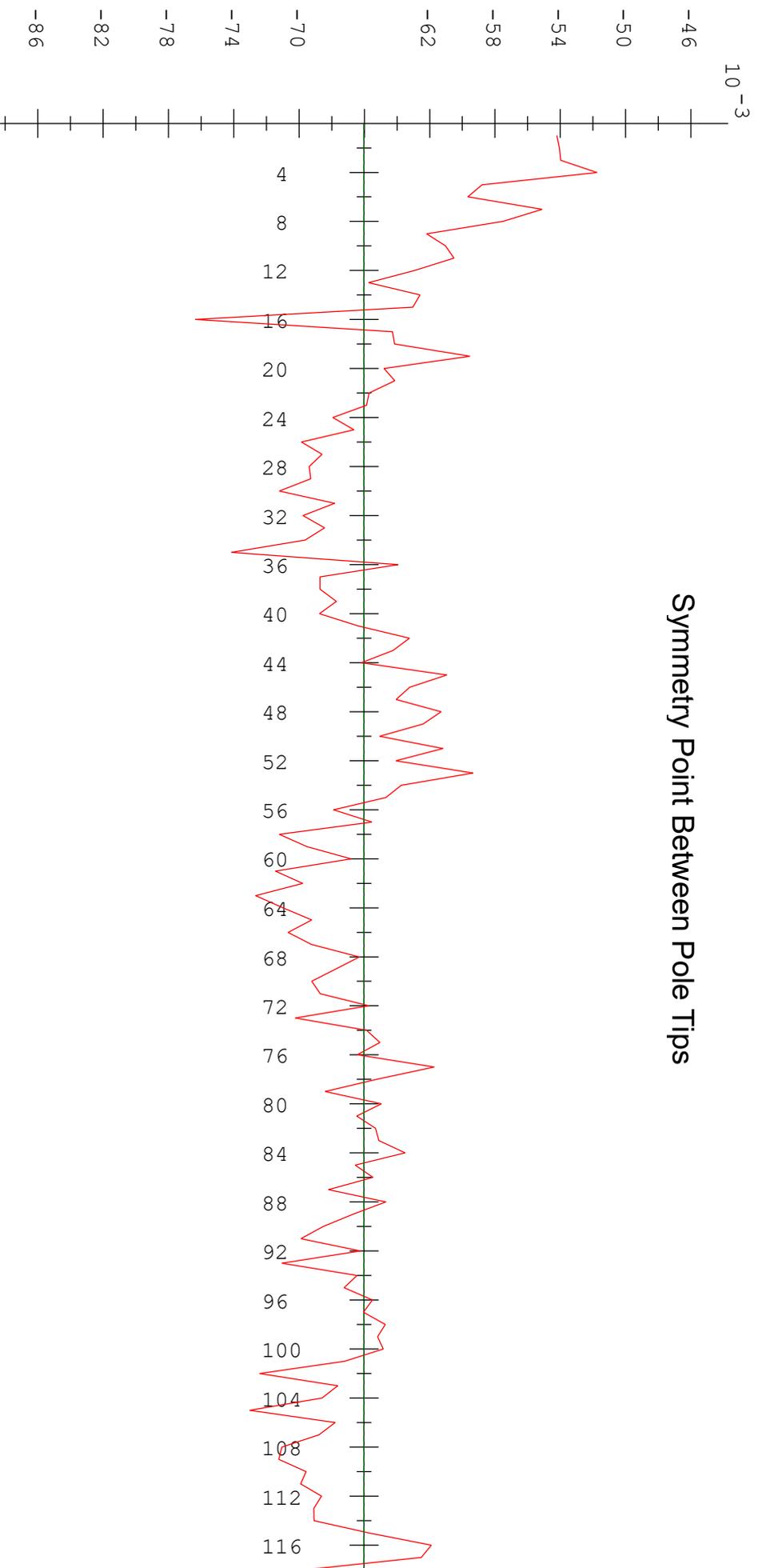
METROLOGY

LCLS II-HE - SXR Undulator

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

16-JUL-2024
S/N = 023
D/S = 0001
Run = 28

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0660

Step Between Measured Pole Tips = 1

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

16-JUL-2024
S/N = 023
D/S = 0001
Run = 28

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	4.9383	4.9364	4.9319	4.9299
Bottom	-5.0639	-5.0650	-5.0673	-5.0684
Gap	10.0023			9.9984
Taper				-0.0039

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9341	-5.0662	10.0003	-0.0660

Additional Calculated Values

Bottom Pole #1 Z Value	979.450
Top Jaw Pitch (mrad)	-0.003
Bottom Jaw Pitch(mrad)	-0.001
Minimum Effective Gap	9.962
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

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

16-JUL-2024
 S/N = 023
 D/S = 0001
 Run = 28