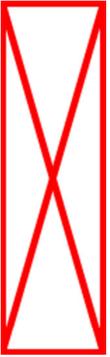


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points =
Dimensions in mm



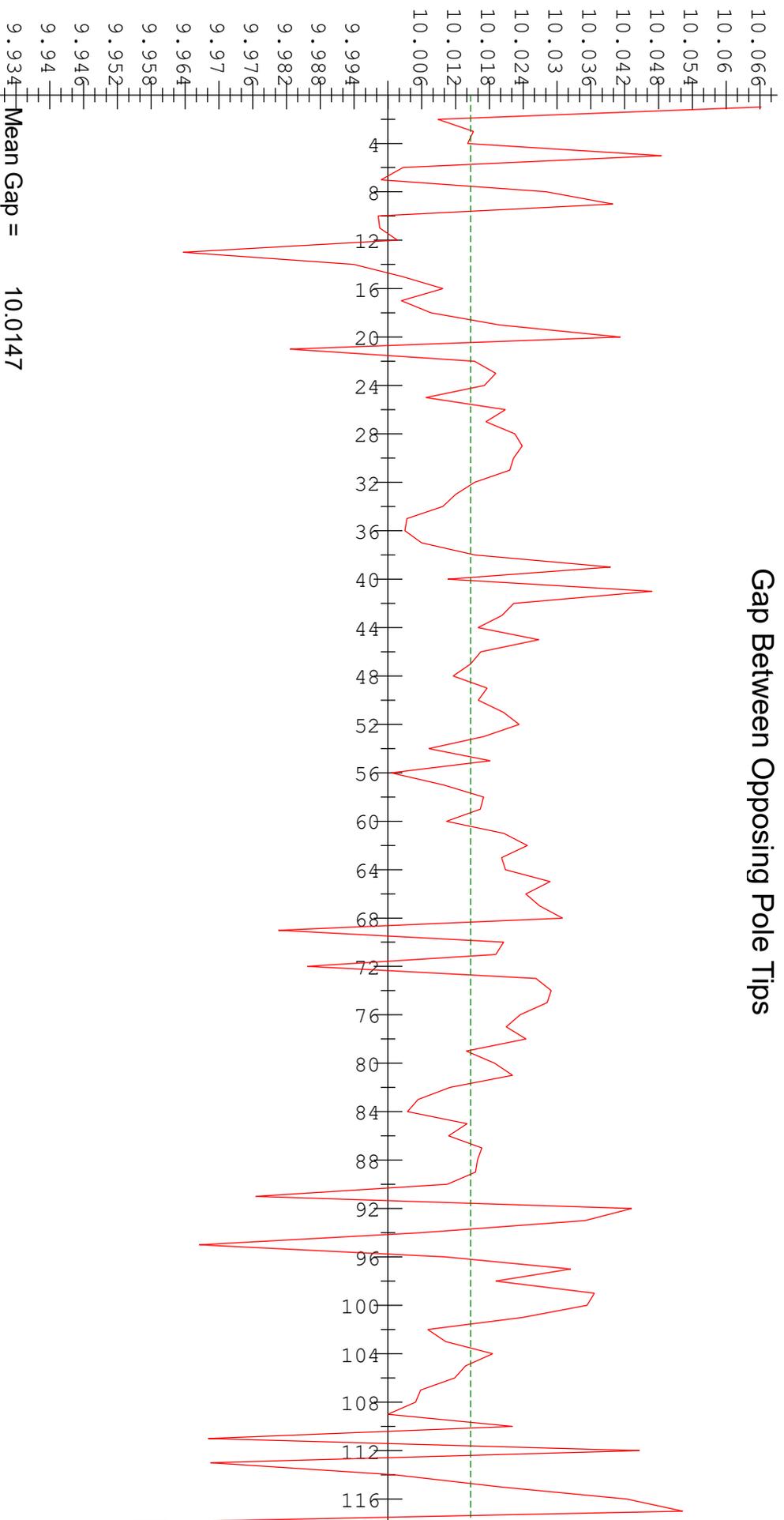
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 9.9998 US Encoder = 9.9999 DS Encoder = 9.9998

28-JUN-2023
S/N = 000
D/S = 0003
Run = 1

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



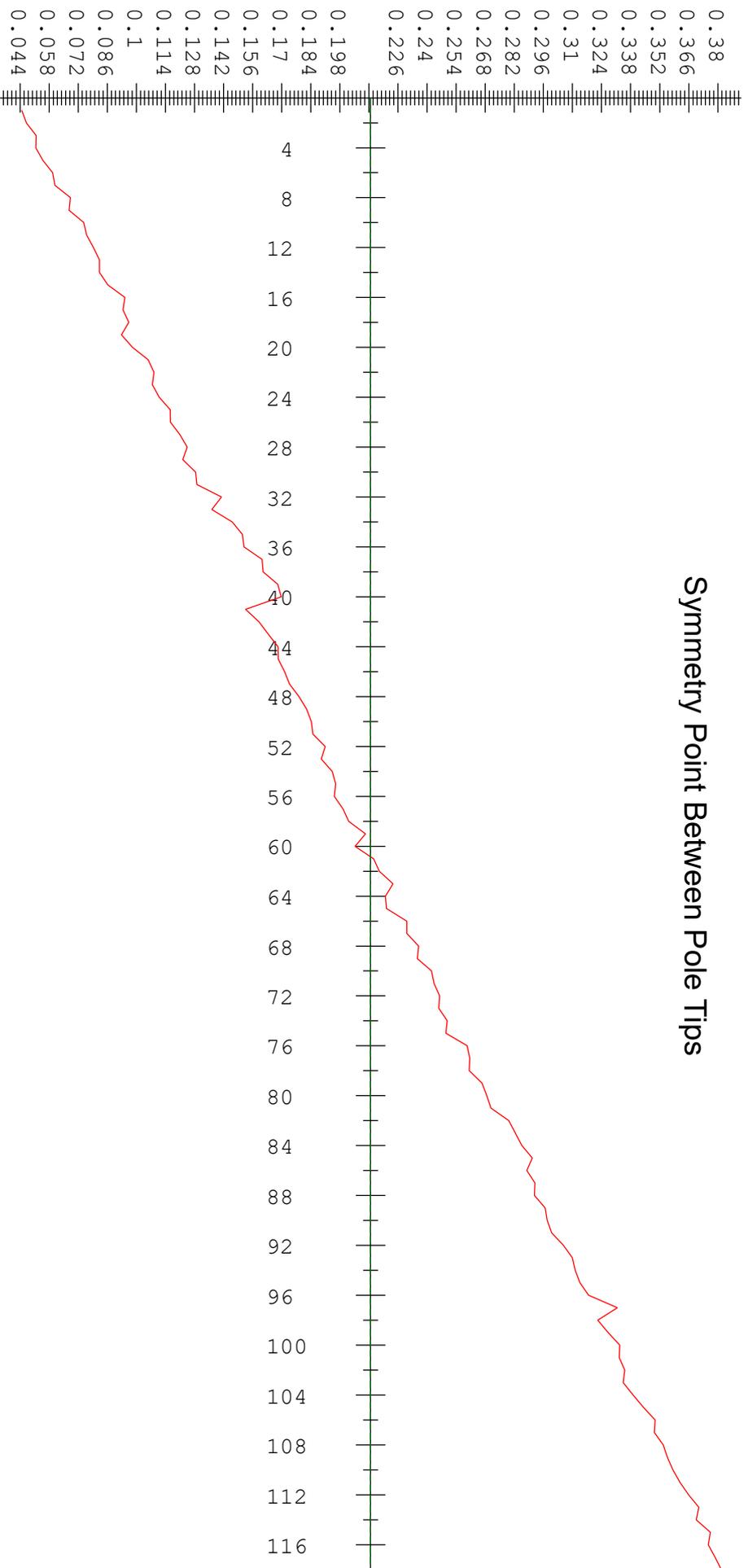
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 9.9998 US Encoder = 9.9999 DS Encoder = 9.9998

28-JUN-2023
 S/N = 000
 D/S = 0003
 Run = 1

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2128

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Gap Reading = 9.9998

US Encoder = 9.9999

DS Encoder = 9.9998

Nominal Taper = 0.000

28-JUN-2023
S/N = 000
D/S = 0003
Run = 1

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	5.0538	5.1306	5.3068	5.3864
Bottom	-4.9625	-4.8850	-4.7070	-4.6266
Gap	10.0164			10.0130
Taper				-0.0033

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2201	-4.7946	10.0147	0.2128

Additional Calculated Values

Bottom Pole #1 Z Value	974.878
Top Jaw Pitch (mrad)	0.102
Bottom Jaw Pitch(mrad)	0.103
Minimum Effective Gap	9.644
Reference Block Gap	6.798

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 9.9998 US Encoder = 9.9999 DS Encoder = 9.9998

28-JUN-2023
 S/N = 000
 D/S = 0003
 Run = 1