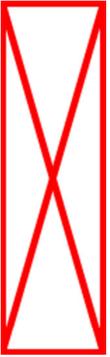


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



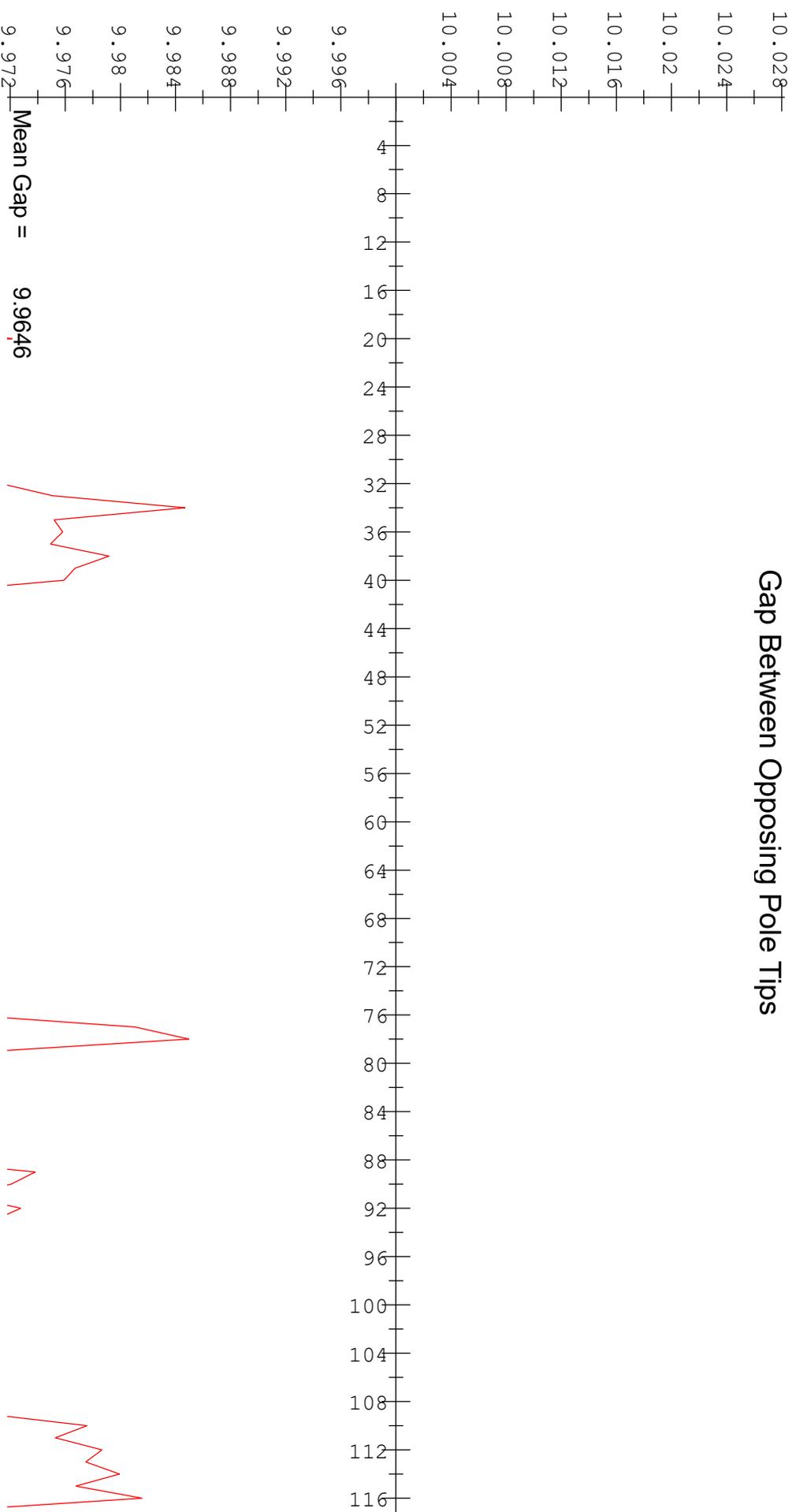
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0001 US Encoder = 9.9999 DS Encoder = 10.0002

15-OCT-2024
S/N = 027
D/S = 0001
Run = 2

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



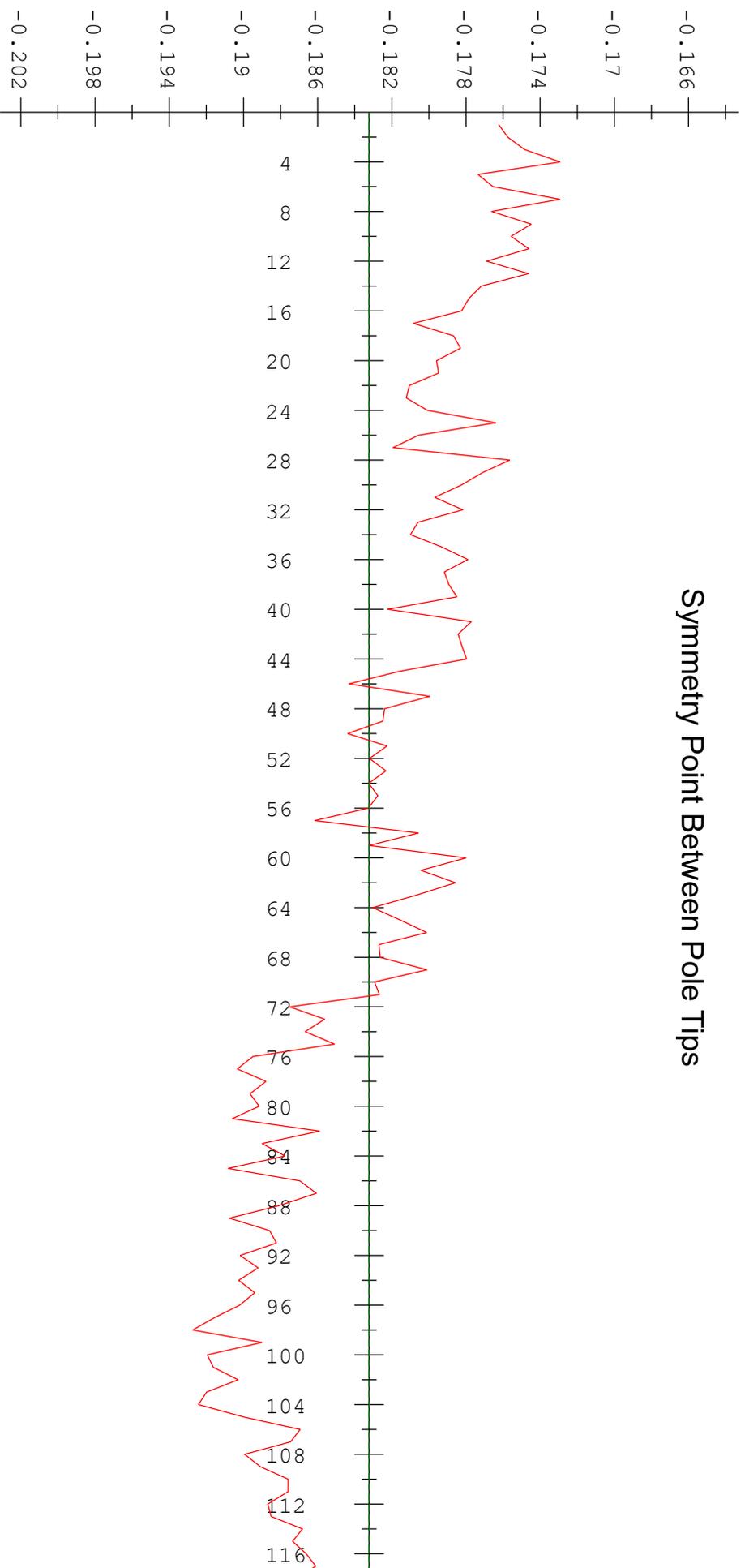
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0001 US Encoder = 9.9999 DS Encoder = 10.0002

15-OCT-2024
S/N = 027
D/S = 0001
Run = 2

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.1832

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0001 US Encoder = 9.9999 DS Encoder = 10.0002

15-OCT-2024
S/N = 027
D/S = 0001
Run = 2

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	4.8050	4.8023	4.7960	4.7932
Bottom	-5.1554	-5.1601	-5.1708	-5.1756
Gap	9.9604			9.9688
Taper				0.0084

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.7991	-5.1655	9.9646	-0.1832

Additional Calculated Values

Bottom Pole #1 Z Value	978.897
Top Jaw Pitch (mrad)	-0.004
Bottom Jaw Pitch(mrad)	-0.006
Minimum Effective Gap	9.932
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0001 US Encoder = 9.9999 DS Encoder = 10.0002

15-OCT-2024
 S/N = 027
 D/S = 0001
 Run = 2