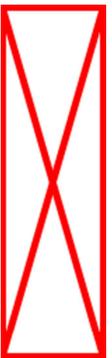


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



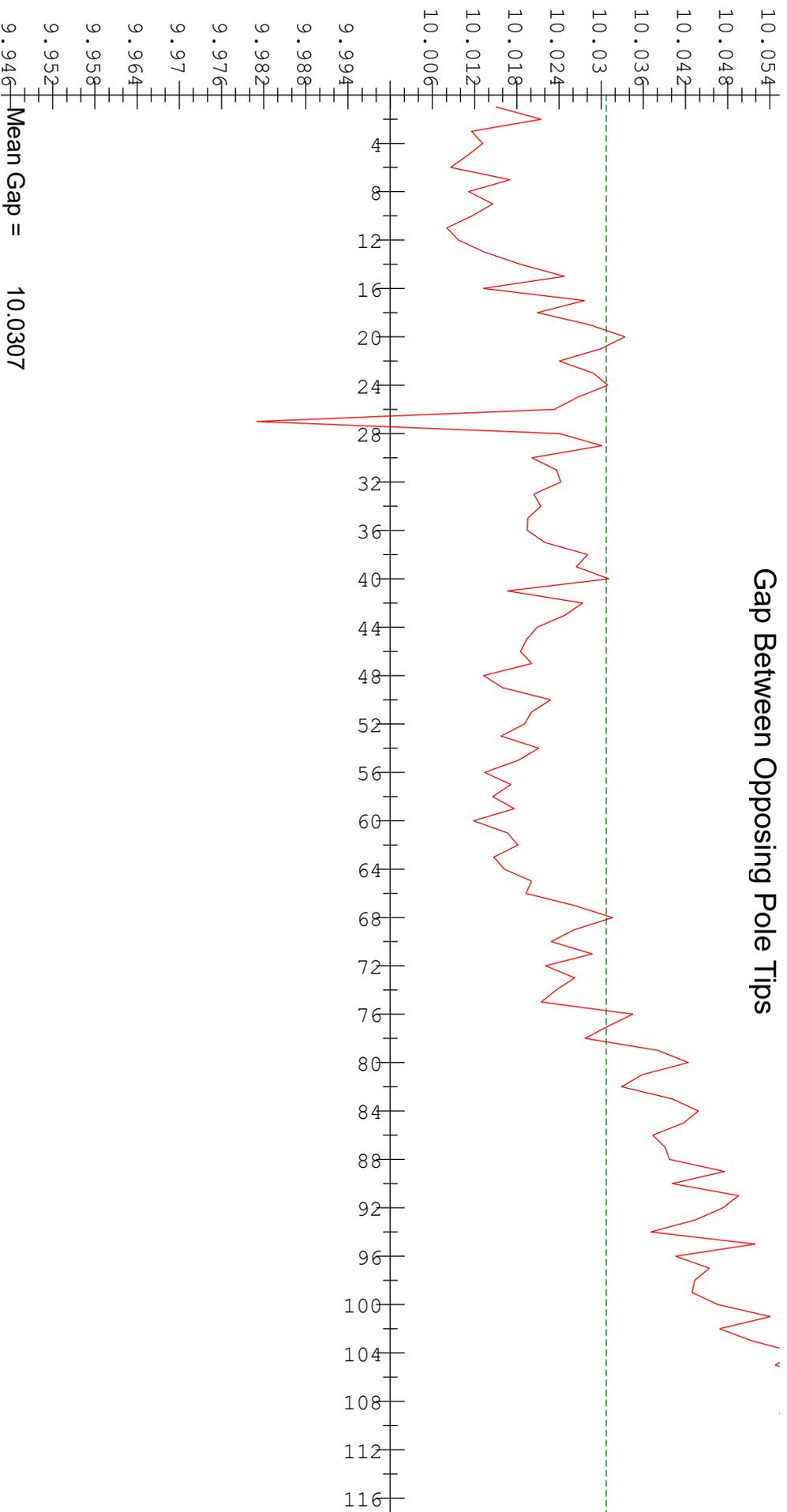
METROLOGY

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-JUN-2025
S/N = 006
D/S = 0001
Run = 2

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



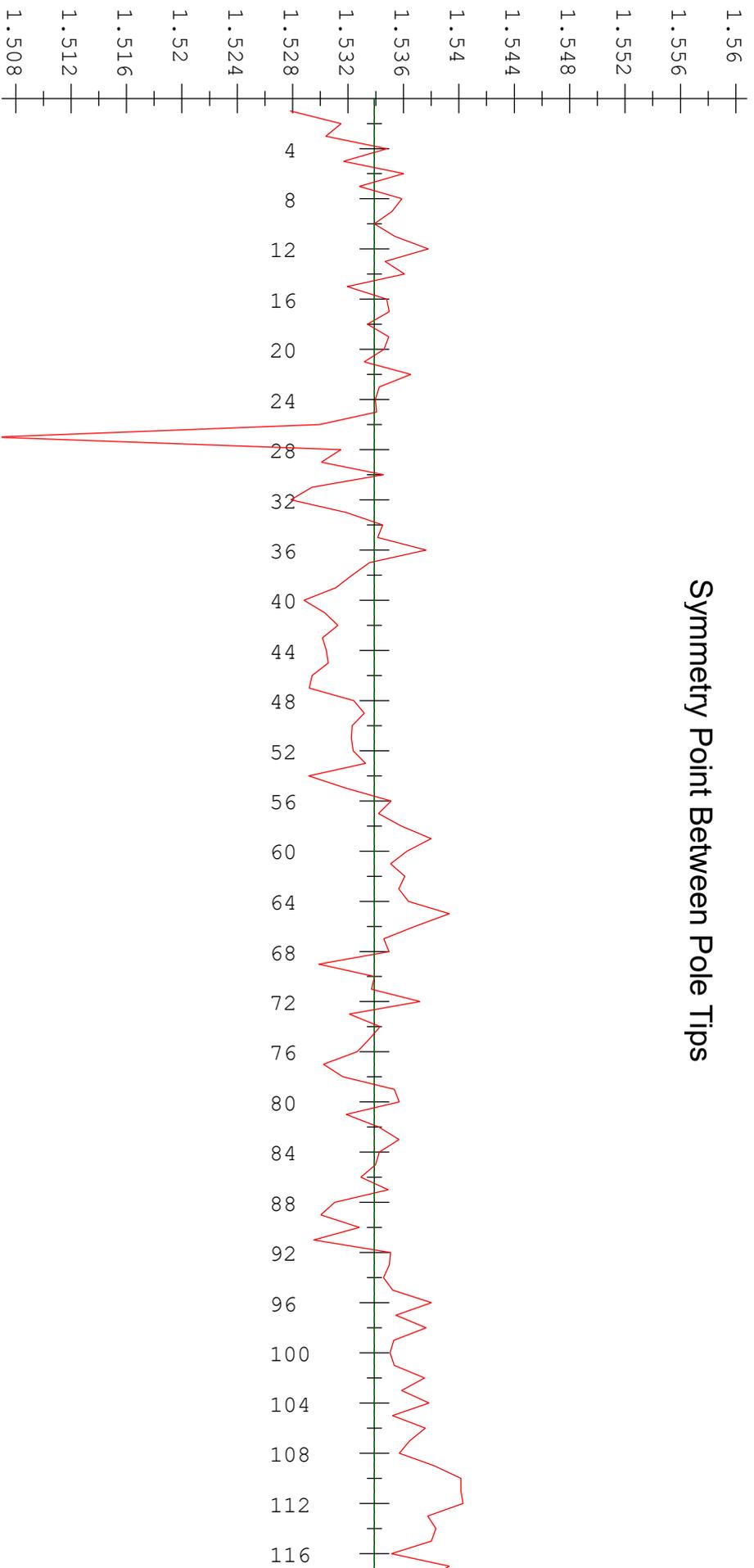
METROLOGY

LCLS II-HE - SXR Undulator

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

16-JUN-2025
S/N = 006
D/S = 0001
Run = 2

Symmetry Point Between Pole Tips



Mean Symmetry Value = 1.5339

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-JUN-2025
S/N = 006
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	6.5347	6.5414	6.5569	6.5638
Bottom	-3.4719	-3.4763	-3.4865	-3.4911
Gap	10.0066			10.0549
Taper				0.0484

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.5493	-3.4815	10.0307	1.5339

Additional Calculated Values

Bottom Pole #1 Z Value	978.686
Top Jaw Pitch (mrad)	0.009
Bottom Jaw Pitch(mrad)	-0.006
Minimum Effective Gap	9.964
Reference Block Gap	6.797

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-JUN-2025
 S/N = 006
 D/S = 0001
 Run = 2