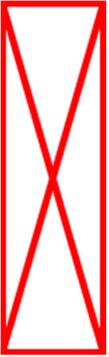


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points = 3
Dimensions in mm

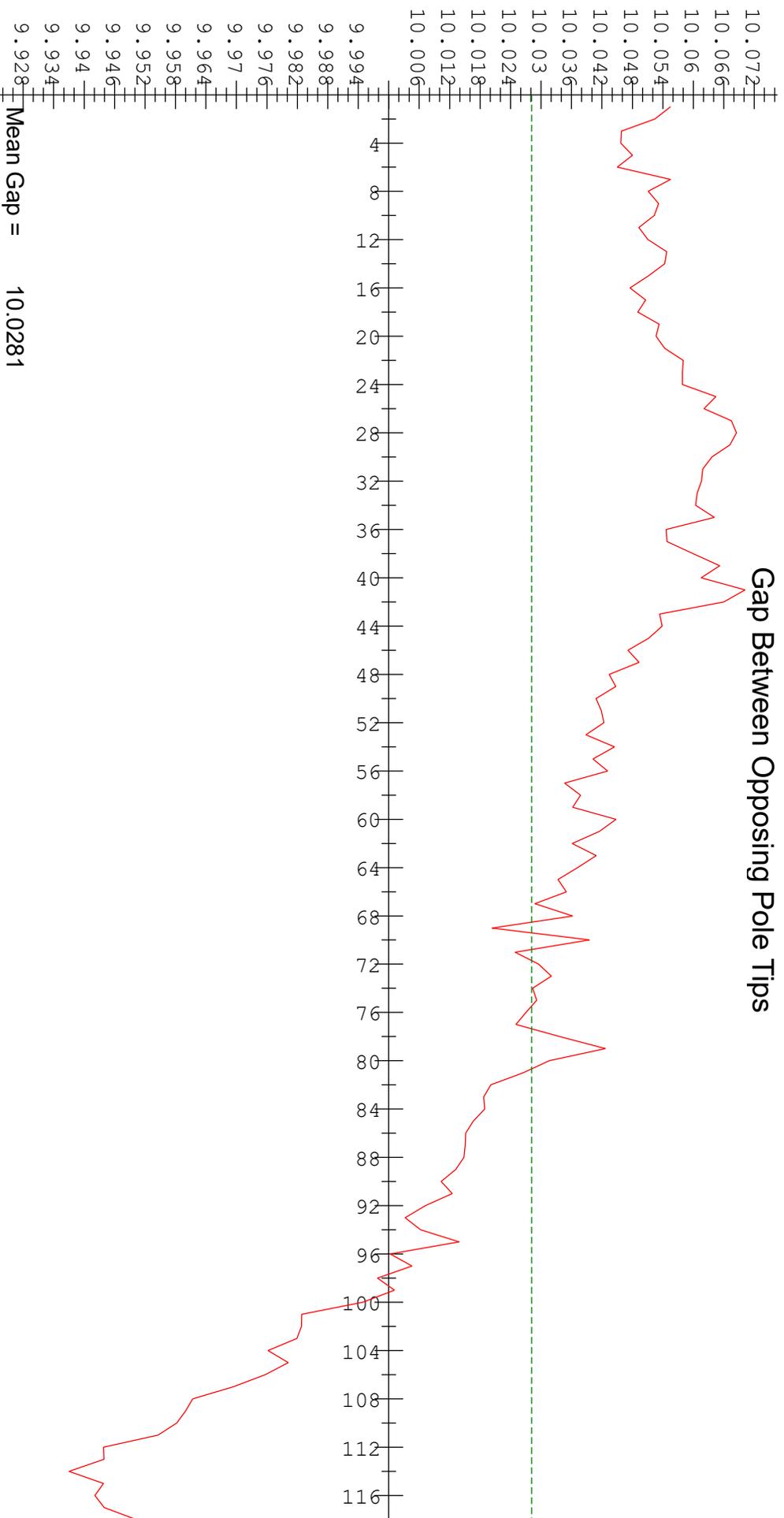


METROLOGY

LCLS II-HE - SXR Undulator

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

22-MAY-2024
S/N = 023
D/S = 0001
Run = 3



Step Between Measured Pole Tips = 1

Dimensions in mm



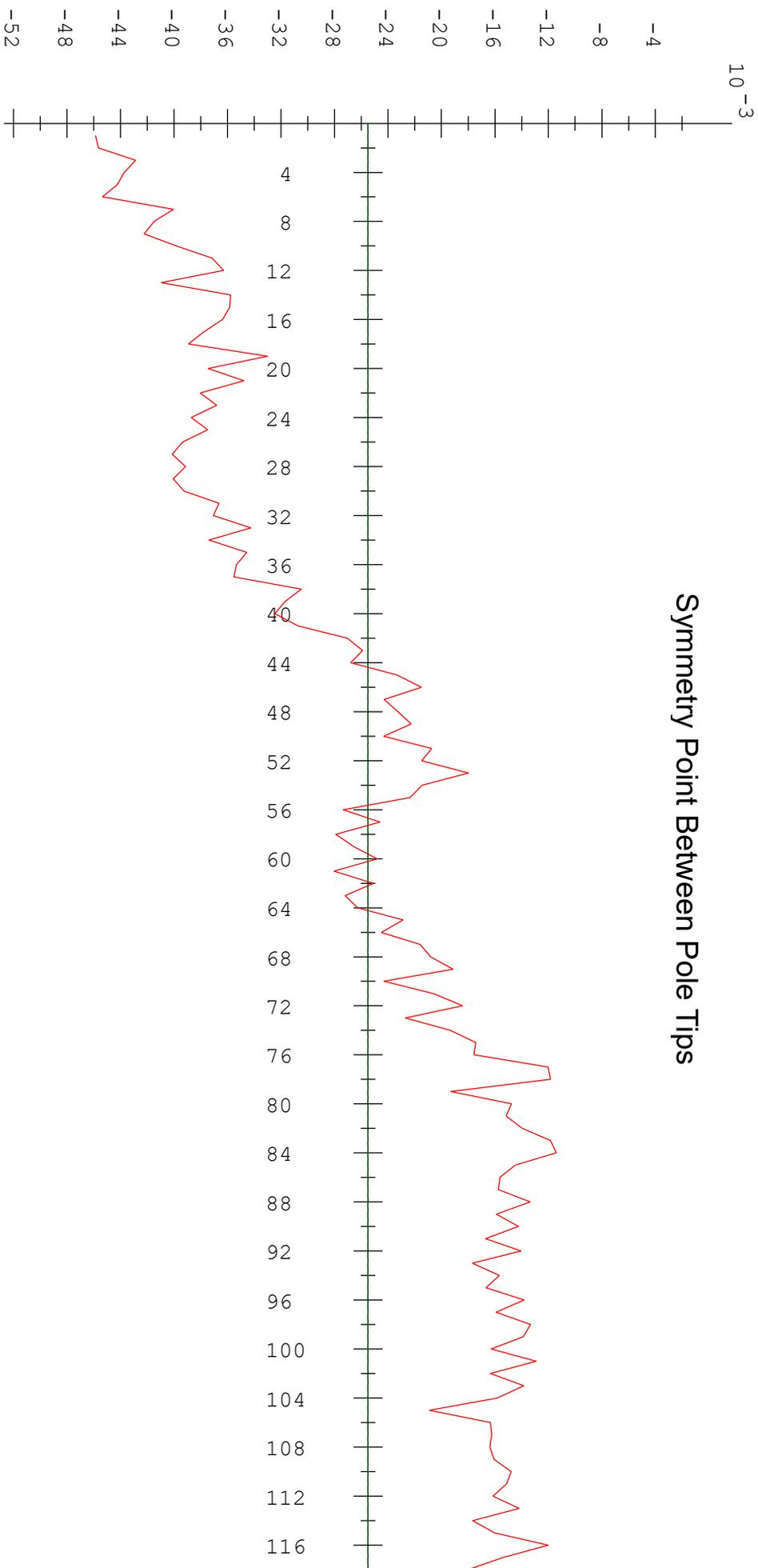
METROLOGY

LCLS II-HE - SXR Undulator

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

22-MAY-2024
 S/N = 023
 D/S = 0001
 Run = 3

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0255

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

22-MAY-2024
S/N = 023
D/S = 0001
Run = 3

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	4.9978	4.9936	4.9838	4.9793
Bottom	-5.0811	-5.0619	-5.0179	-4.9980
Gap	10.0789			9.9773
Taper				-0.1016

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9886	-5.0396	10.0281	-0.0255

Additional Calculated Values

Bottom Pole #1 Z Value	979.438
Top Jaw Pitch (mrad)	-0.006
Bottom Jaw Pitch(mrad)	0.025
Minimum Effective Gap	9.934
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

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 Gap Reading = 10.0000 DS Encoder = 10.0000

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 S/N = 023
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