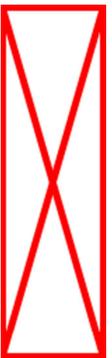


Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 5

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



METROLOGY

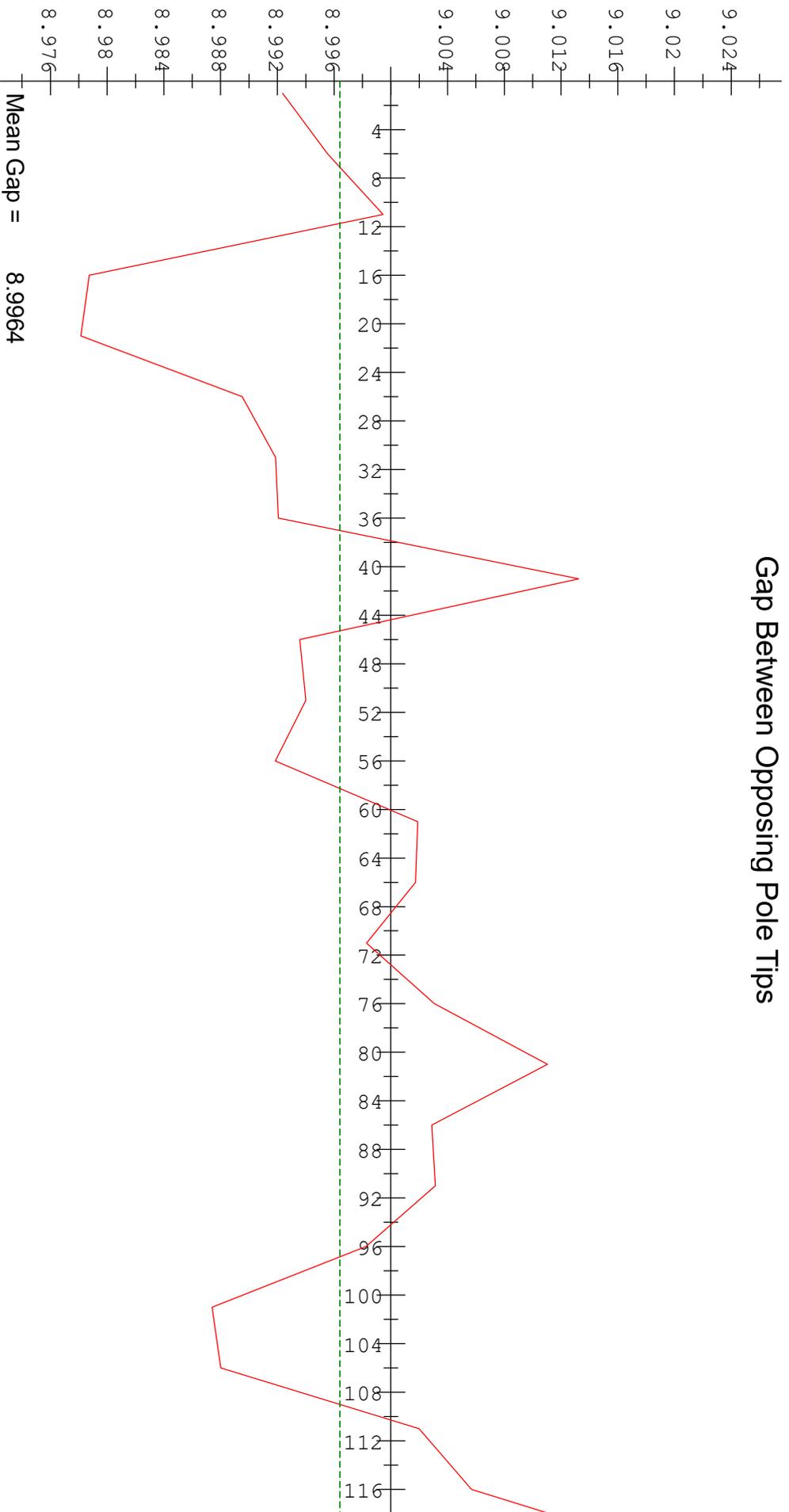
LCLS II-HE - SXR Undulator

Nominal Gap = 9
 Gap Reading = 9.0000
 US Encoder = 9.0000

Nominal Taper = 0.000
 DS Encoder = 9.0000

23-MAY-2024
 S/N = 023
 D/S = 0001
 Run = 10

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



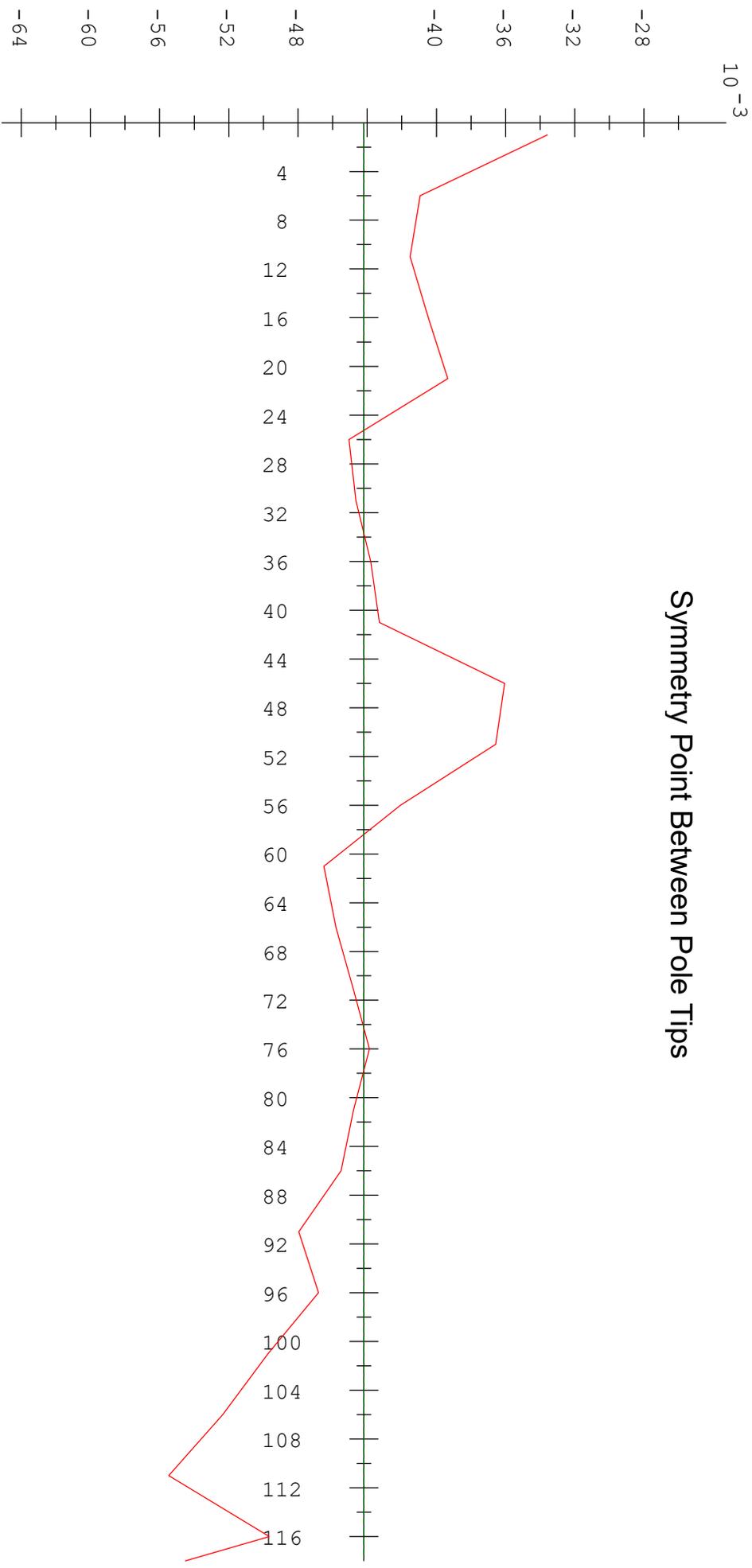
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9
Nominal Taper = 0.000
Gap Reading = 9.0000
US Encoder = 9.0000
DS Encoder = 9.0000

23-MAY-2024
S/N = 023
D/S = 0001
Run = 10

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0442

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

23-MAY-2024
S/N = 023
D/S = 0001
Run = 10

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	4.4576	4.4559	4.4521	4.4504
Bottom	-4.5326	-4.5373	-4.5482	-4.5531
Gap	8.9902			9.0035
Taper				0.0133

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.4540	-4.5424	8.9964	-0.0442

Additional Calculated Values

Bottom Pole #1 Z Value	979.438
Top Jaw Pitch (mrad)	-0.002
Bottom Jaw Pitch(mrad)	-0.006
Minimum Effective Gap	8.970
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
 Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

23-MAY-2024
 S/N = 023
 D/S = 0001
 Run = 10