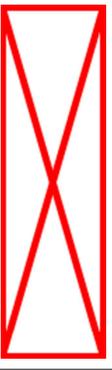


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



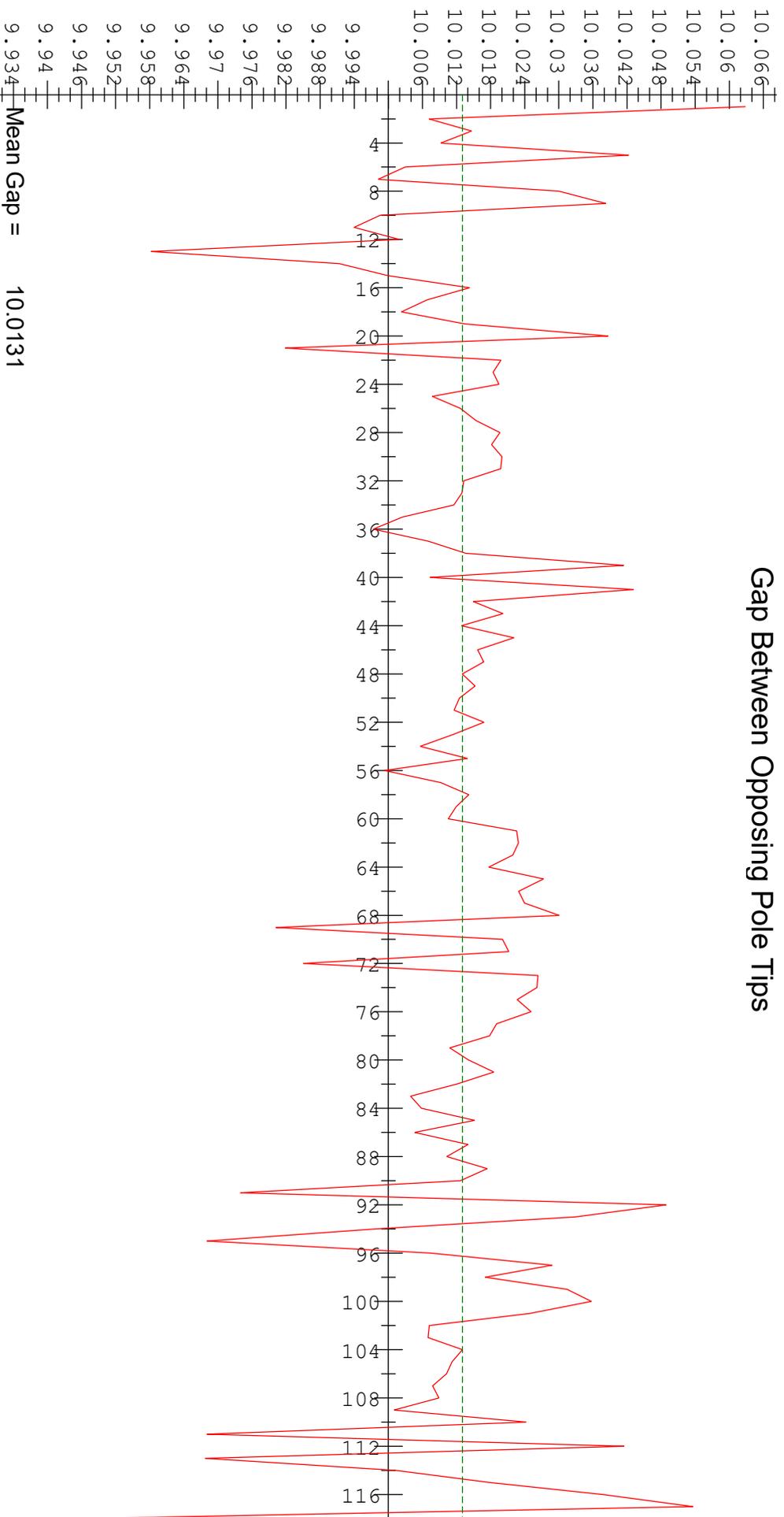
METROLOGY

LCLS II-HE - SXR Undulator

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

14-OCT-2022
S/N = 000
D/S = 0001
Run = 15

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



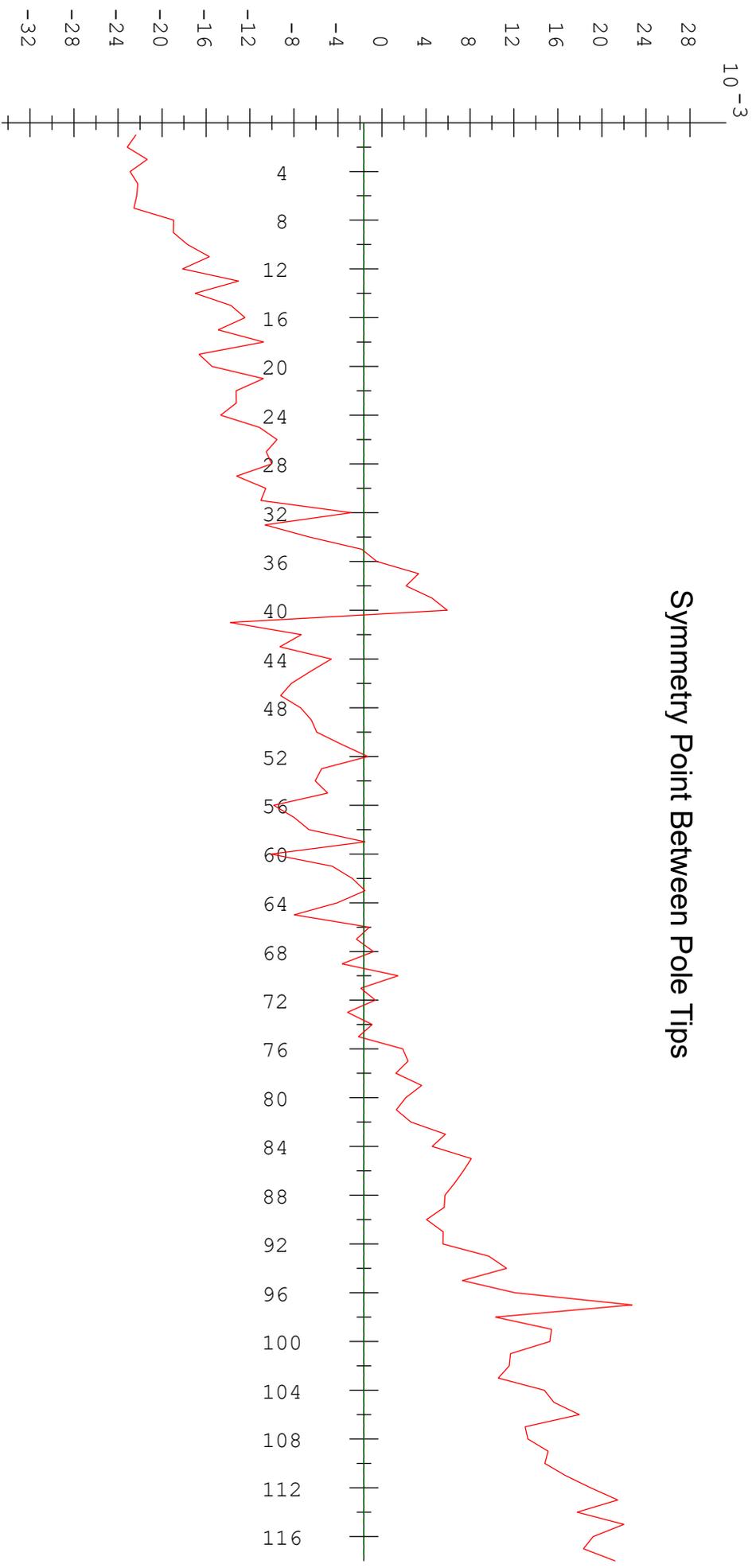
METROLOGY

LCLS II-HE - SXR Undulator

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

14-OCT-2022
S/N = 000
D/S = 0001
Run = 15

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0016

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

14-OCT-2022
S/N = 000
D/S = 0001
Run = 15

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	4.9865	4.9950	5.0145	5.0232
Bottom	-5.0278	-5.0187	-4.9979	-4.9885
Gap	10.0143			10.0118
Taper				-0.0026

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0049	-5.0082	10.0131	-0.0016

Additional Calculated Values

Bottom Pole #1 Z Value	974.772
Top Jaw Pitch (mrad)	0.011
Bottom Jaw Pitch(mrad)	0.012
Minimum Effective Gap	9.918
Reference Block Gap	6.792

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

14-OCT-2022
 S/N = 000
 D/S = 0001
 Run = 15