Top Jaw Pole Tips

Y Dev.from Mean

Mean TOP = 4.9333

Regression Line Ang. (mrad) = 0.0004

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.966

Y Dev.from Mean

Pole Tip Num. --->

Bottom Jaw Pole Tips

Y Dev.from Mean

Mean BTM = -5.0645

Regression Line Ang. (mrad) = -0.0033

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = **5**
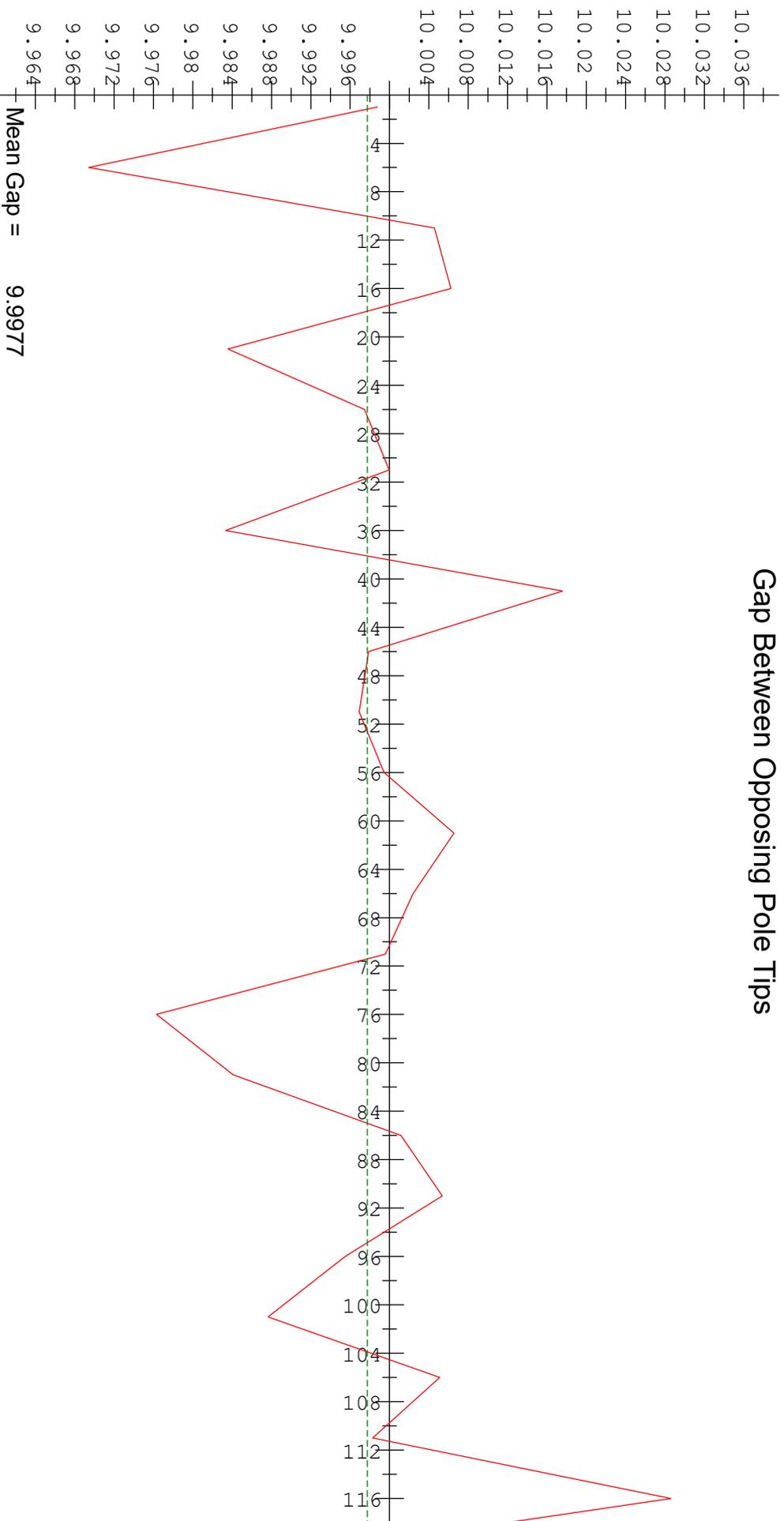
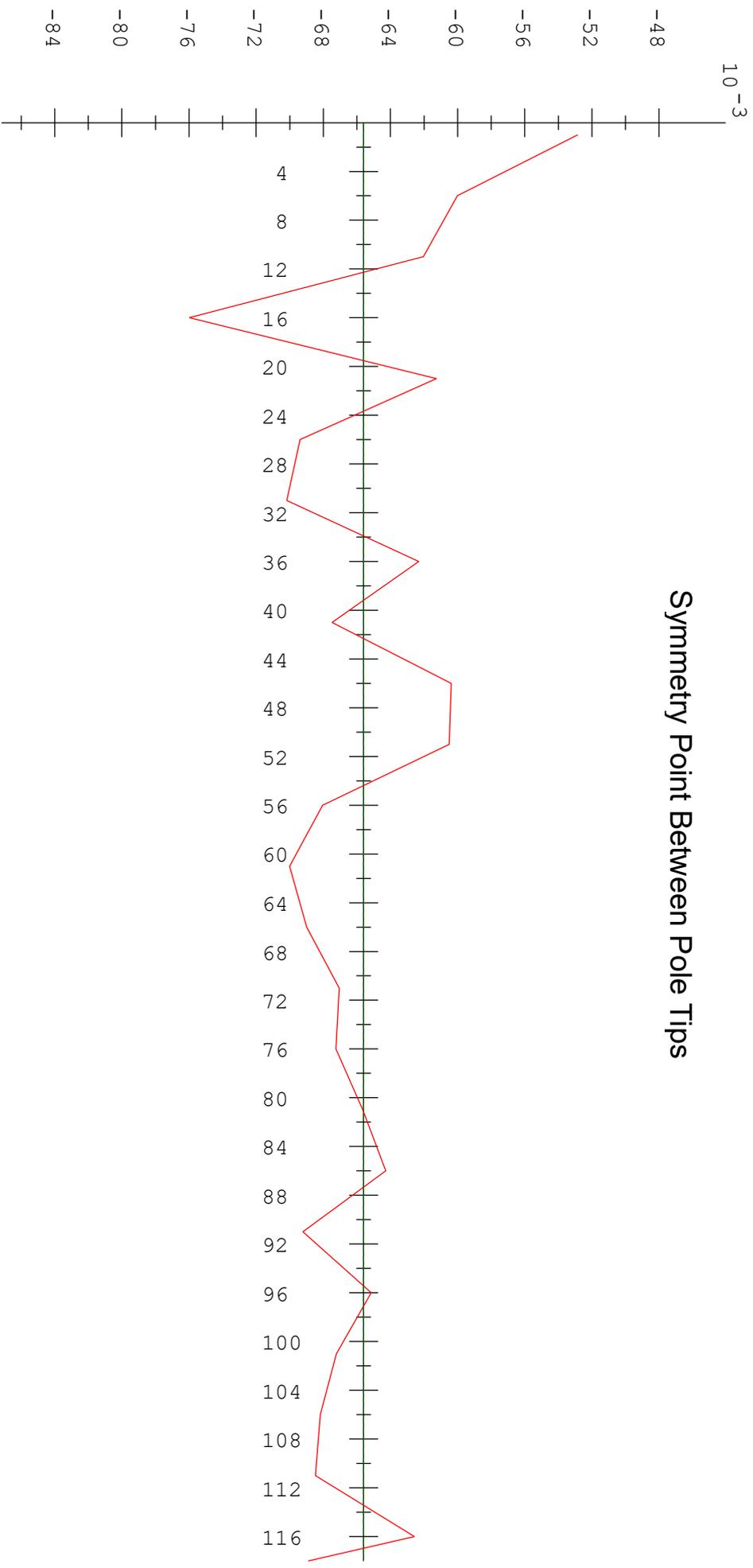Regression Line Through Points =
Dimensions in mm

METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10   **Nominal Taper = 0.000**

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

15-JUL-2024
S/N = 023
D/S = 0001
Run = 24

Gap Between Opposing Pole Tips

METROLOGY

Step Between Measured Pole Tips = 5

Mean Gap = 9.9977

LCLS II-HE - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000
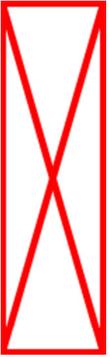
Dimensions in mm

15-JUL-2024
S/N = 023
D/S = 0001
Run = 24

LCLS II-HE - SXR Undulator

Symmetry Point Between Pole Tips

Dimensions in mm

Step Between Measured Pole Tips = **5**

Mean Symmetry Value = -0.0656

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

15-JUL-2024	
S/N =	023
D/S=	0001
Run=	24

METROLOGY

Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 28)	DS Actuator (Pole 90)	Last Pole (Pole 118)
Top	4.9327	4.9330	4.9338	4.9341
Bottom	-5.0593	-5.0618	-5.0676	-5.0702
Gap	9.9920			10.0043
Taper				0.0123

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9333	-5.0645	9.9977	-0.0656

Additional Calculated Values

Bottom Pole #1 Z Value	979.450
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	-0.003
Minimum Effective Gap	9.966
Reference Block Gap	6.799

METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

Nominal Gap = 10.0000

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

15-JUL-2024
S/N = 023
D/S= 0001
Run= 24

Dimensions in mm