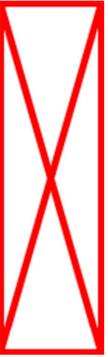


Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 5

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



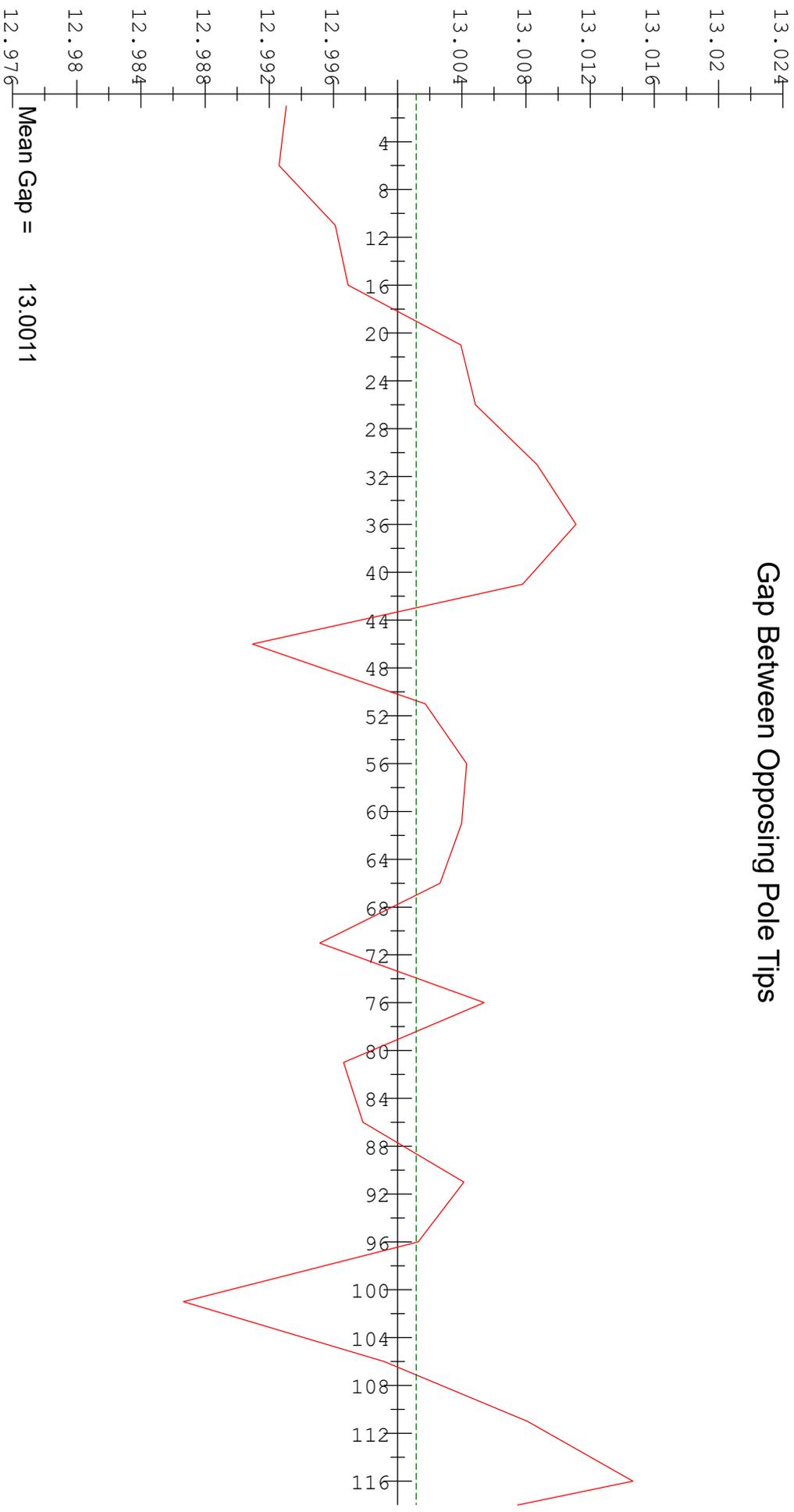
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 13 Nominal Taper = 0.000
 Gap Reading = 13.0000 US Encoder = 13.0000 DS Encoder = 13.0000

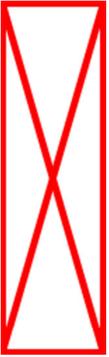
15-OCT-2024
 S/N = 027
 D/S = 0001
 Run = 7

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 13

Nominal Taper = 0.000

Gap Reading = 13.0000

US Encoder = 13.0000

DS Encoder = 13.0000

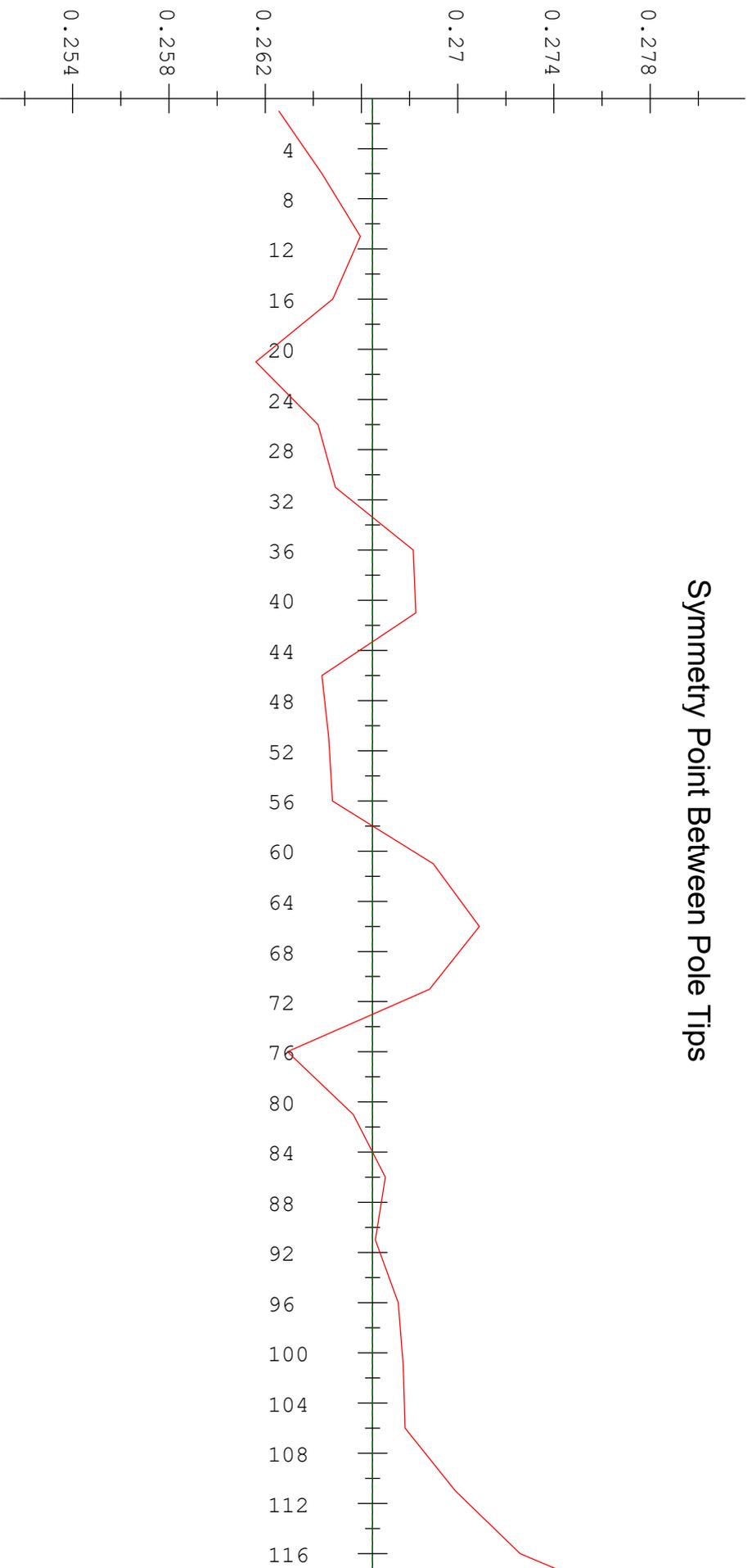
15-OCT-2024

S/N = 027

D/S = 0001

Run = 7

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2665

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 13 Nominal Taper = 0.000
Gap Reading = 13.0000 US Encoder = 13.0000 DS Encoder = 13.0000

15-OCT-2024
S/N = 027
D/S = 0001
Run = 7

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	6.7627	6.7649	6.7698	6.7721
Bottom	-6.2361	-6.2351	-6.2328	-6.2318
Gap	12.9988			13.0039
Taper				0.0051

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.7670	-6.2341	13.0011	0.2665

Additional Calculated Values

Bottom Pole #1 Z Value	978.897
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	12.985
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 13 Nominal Taper = 0.000
 Gap Reading = 13.0000 US Encoder = 13.0000 DS Encoder = 13.0000

15-OCT-2024
 S/N = 027
 D/S = 0001
 Run = 7