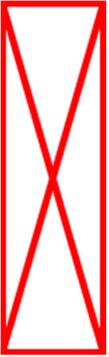


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 5

Regression Line Through Points = 28
Dimensions in mm



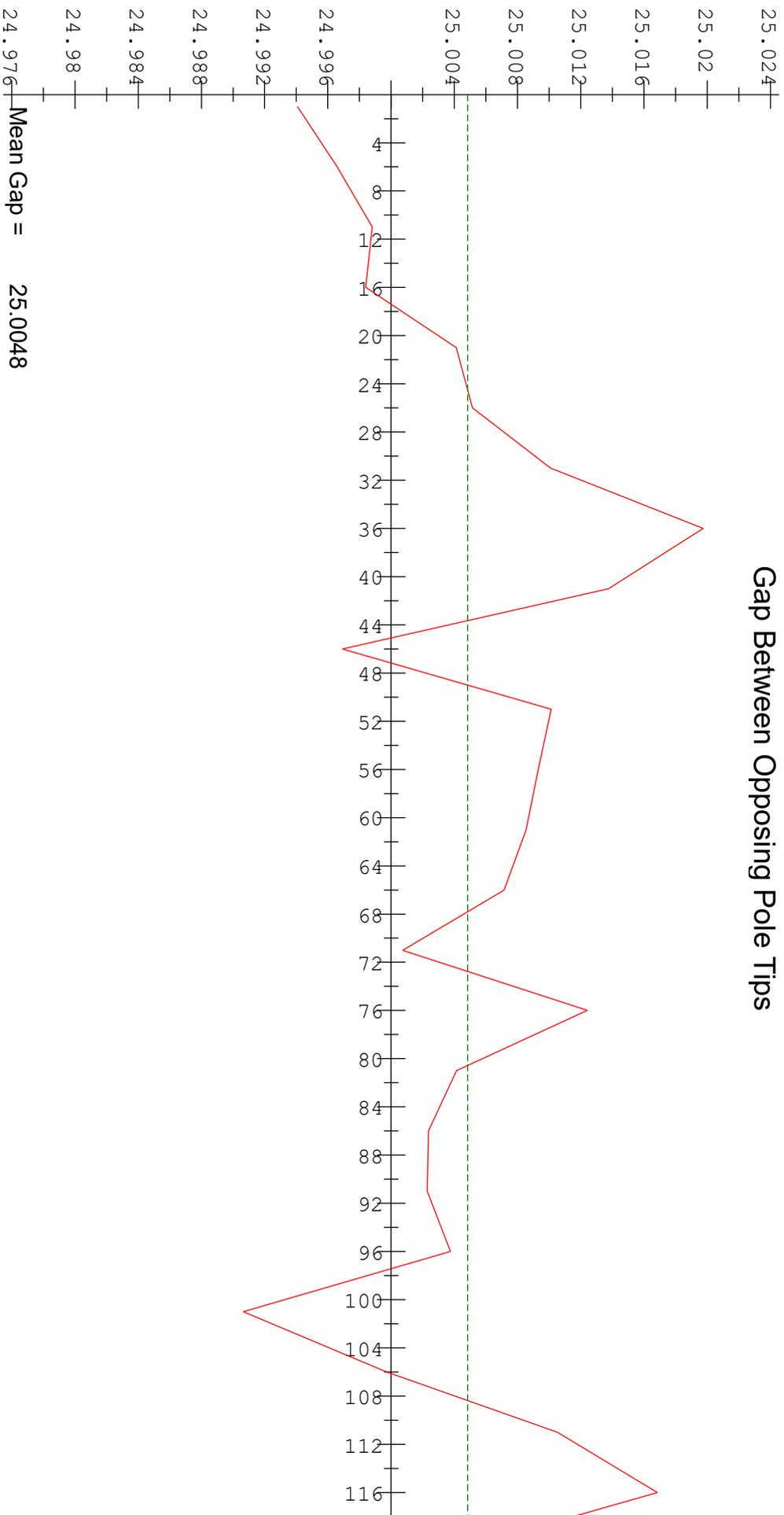
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 25 Nominal Taper = 0.000
Gap Reading = 25.0000 US Encoder = 25.0000 DS Encoder = 25.0001

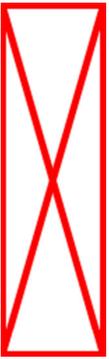
15-OCT-2024
S/N = 027
D/S = 0001
Run = 9

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 25

Nominal Taper = 0.000

Gap Reading = 25.0000

US Encoder = 25.0000

DS Encoder = 25.0001

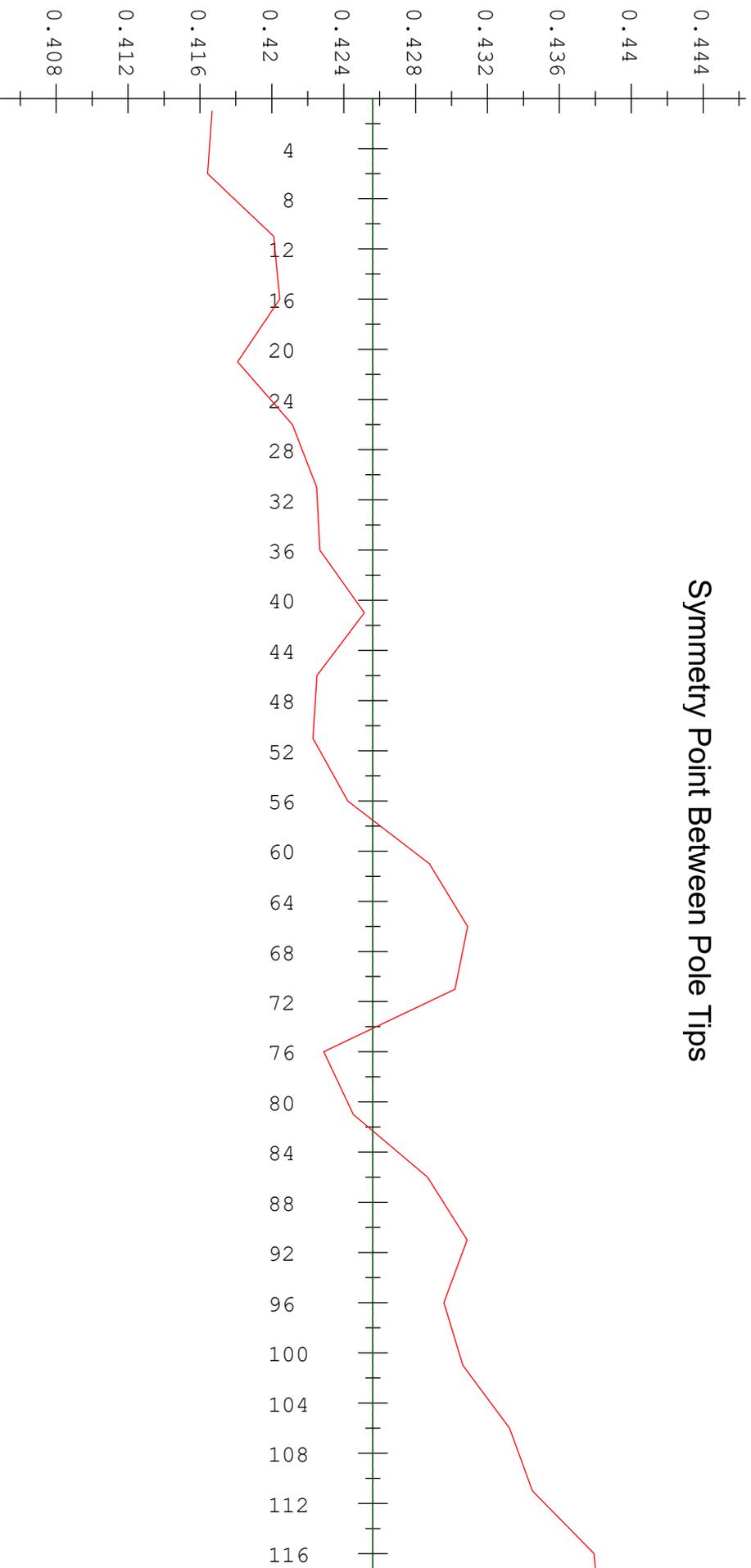
15-OCT-2024

S/N = 027

D/S = 0001

Run = 9

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4256

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 25

Gap Reading = 25.0000

US Encoder = 25.0000

Nominal Taper = 0.000

DS Encoder = 25.0001

15-OCT-2024

S/N = 027

D/S = 0001

Run = 9

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	12.9179	12.9228	12.9339	12.9389
Bottom	-12.0844	-12.0808	-12.0725	-12.0688
Gap	25.0024			25.0077
Taper				0.0053

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
12.9280	-12.0768	25.0048	0.4256

Additional Calculated Values

Bottom Pole #1 Z Value	978.897
Top Jaw Pitch (mrad)	0.006
Bottom Jaw Pitch(mrad)	0.005
Minimum Effective Gap	24.978
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 25 US Encoder = 25.0000 Nominal Taper = 0.000
 Gap Reading = 25.0000 DS Encoder = 25.0001

15-OCT-2024
 S/N = 027
 D/S = 0001
 Run = 9