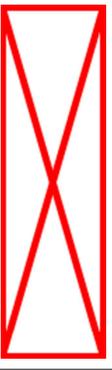


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 5

Regression Line Through Points =
Dimensions in mm



METROLOGY

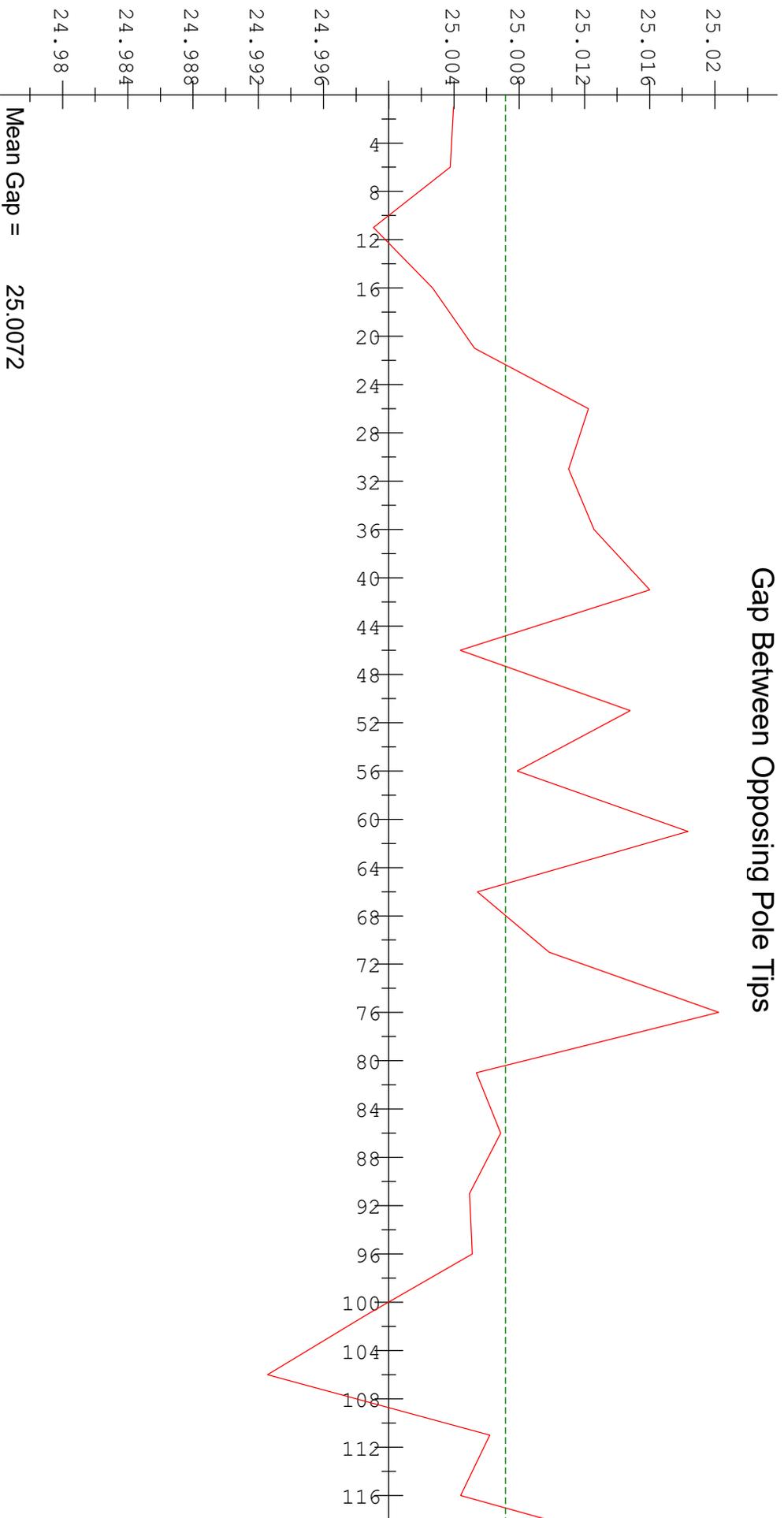
LCLS II-HE - SXR Undulator

Nominal Gap = 25
Gap Reading = 25.0000
US Encoder = 25.0000

Nominal Taper = 0.000
DS Encoder = 25.0001

14-AUG-2024
S/N = 025
D/S = 0001
Run = 8

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



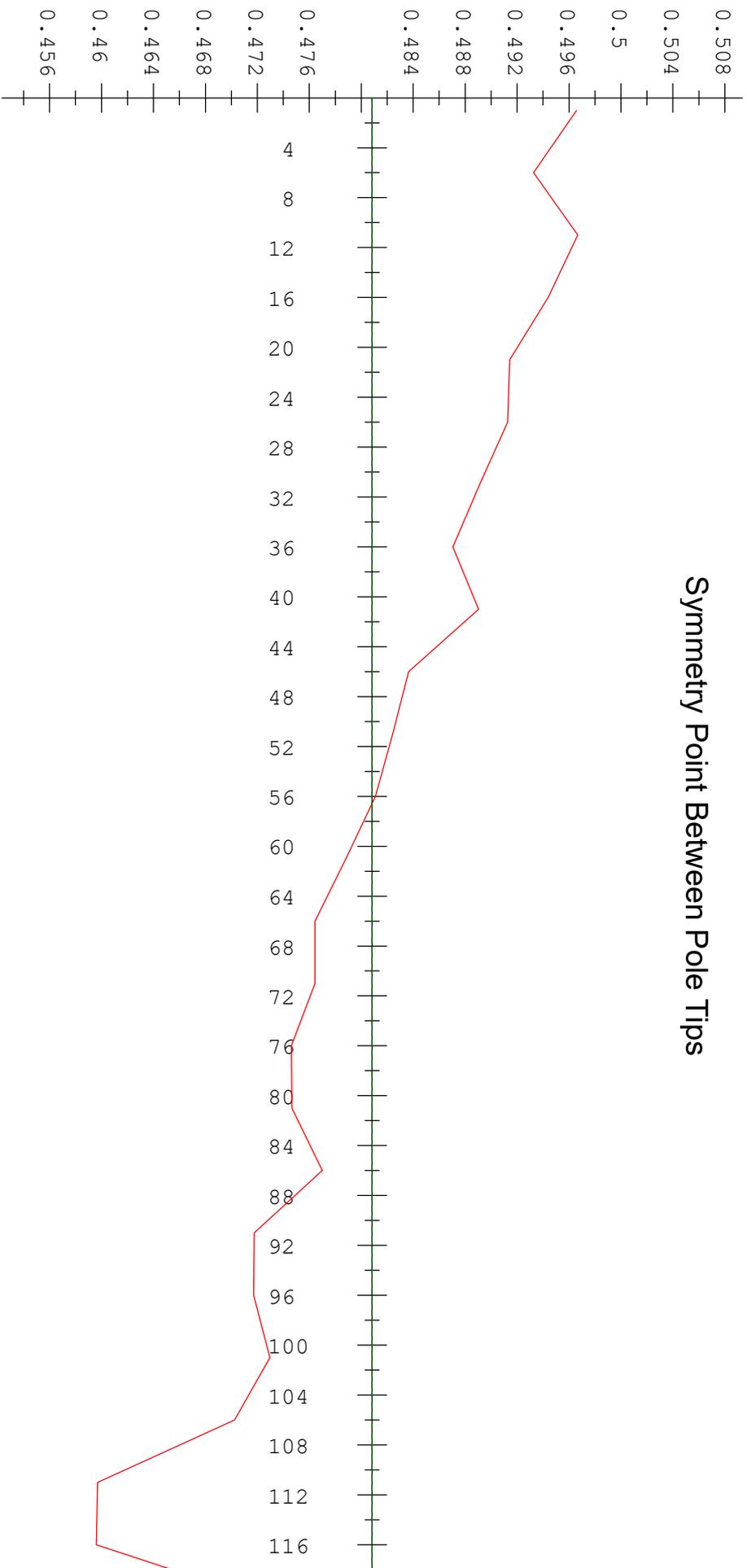
METROLOGY

LCLS II-HE - SXR Undulator

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

14-AUG-2024
S/N = 025
D/S = 0001
Run = 8

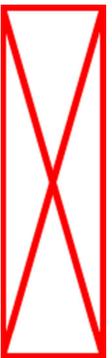
Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4808

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

14-AUG-2024
S/N = 025
D/S = 0001
Run = 8

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	13.0018	12.9937	12.9751	12.9668
Bottom	-12.0066	-12.0142	-12.0316	-12.0394
Gap	25.0084			25.0062
Taper				-0.0022

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
12.9844	-12.0227	25.0072	0.4808

Additional Calculated Values

Bottom Pole #1 Z Value	979.432
Top Jaw Pitch (mrad)	-0.011
Bottom Jaw Pitch(mrad)	-0.010
Minimum Effective Gap	24.965
Reference Block Gap	6.795

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

14-AUG-2024
 S/N = 025
 D/S = 0001
 Run = 8