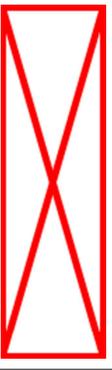


Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 5

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

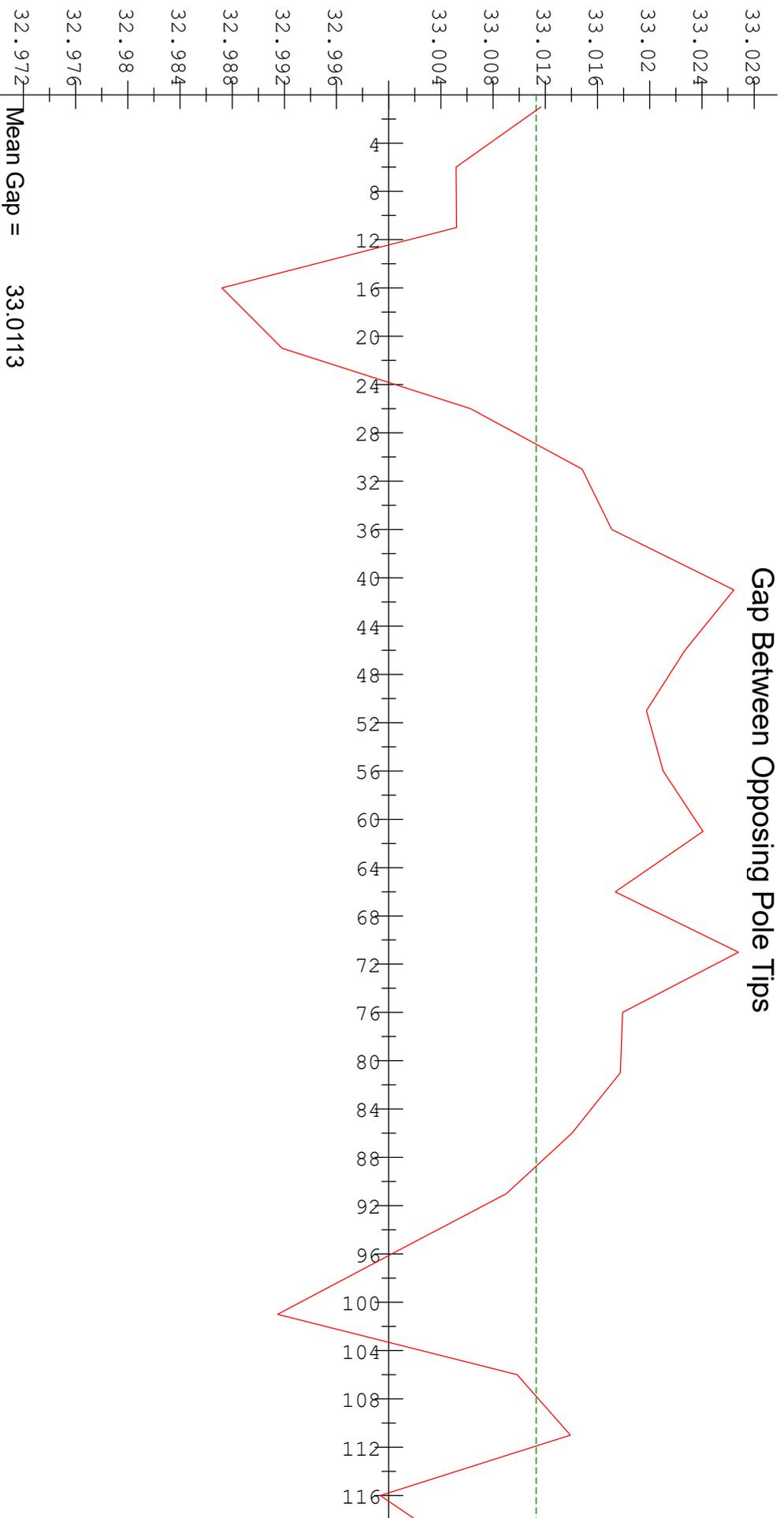


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 33
 Gap Reading = 33.0000
 US Encoder = 33.0000
 Nominal Taper = 0.000
 DS Encoder = 33.0000

23-SEP-2024
 S/N = 024
 D/S = 0001
 Run = 11



Step Between Measured Pole Tips = 5

Dimensions in mm



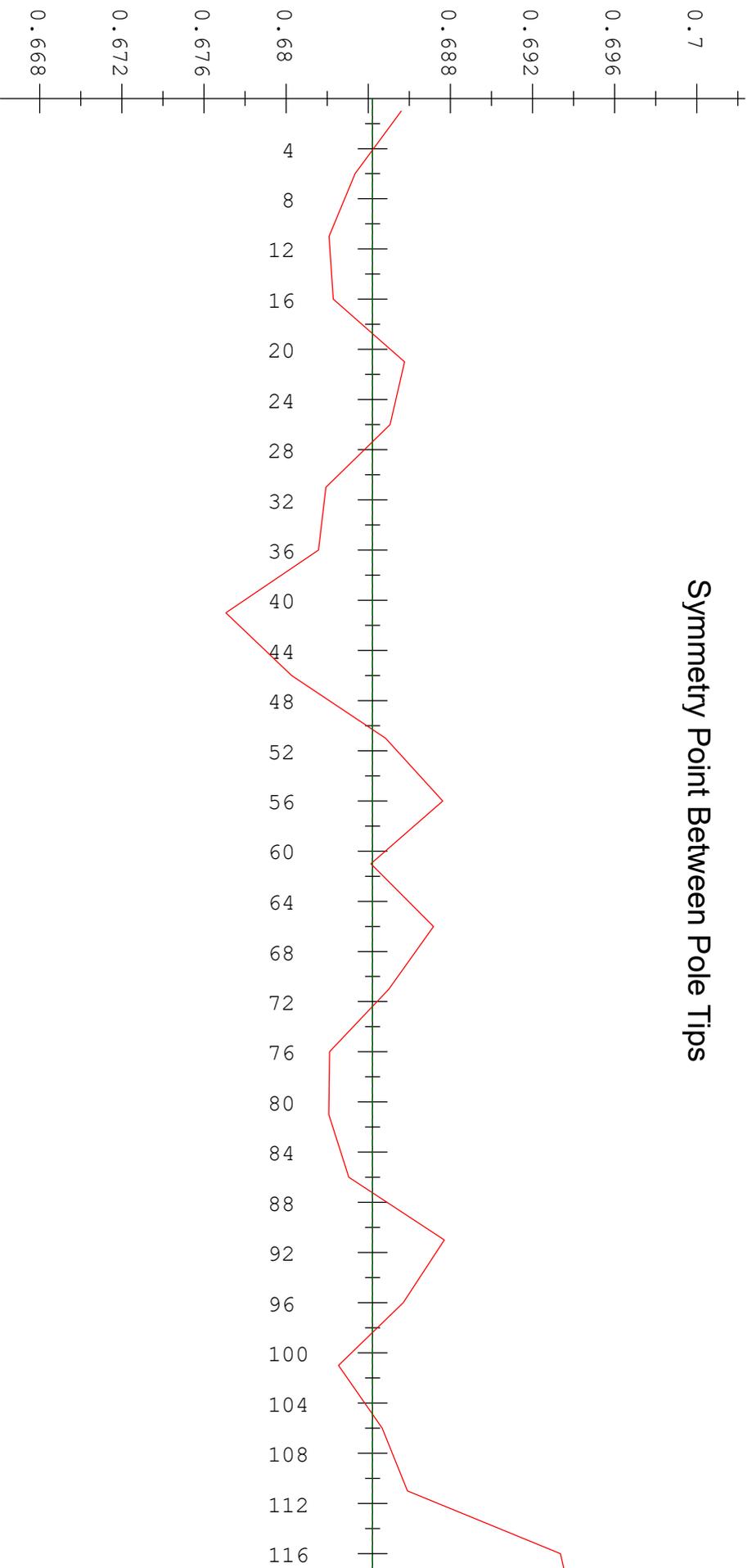
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 33 Nominal Taper = 0.000
 Gap Reading = 33.0000 US Encoder = 33.0000 DS Encoder = 33.0000

23-SEP-2024
 S/N = 024
 D/S = 0001
 Run = 11

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.6842

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 33 Nominal Taper = 0.000
Gap Reading = 33.0000 US Encoder = 33.0000 DS Encoder = 33.0000

23-SEP-2024
S/N = 024
D/S = 0001
Run = 11

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	17.1873	17.1885	17.1914	17.1927
Bottom	-15.8238	-15.8225	-15.8194	-15.8181
Gap	33.0111			33.0108
Taper				-0.0003

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
17.1899	-15.8214	33.0113	0.6842

Additional Calculated Values

Bottom Pole #1 Z Value	978.595
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	32.982
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 33 US Encoder = 33.0000 Nominal Taper = 0.000
 Gap Reading = 33.0000 DS Encoder = 33.0000

23-SEP-2024
 S/N = 024
 D/S = 0001
 Run = 11