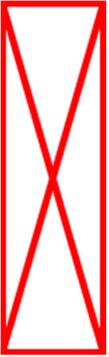


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 5

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

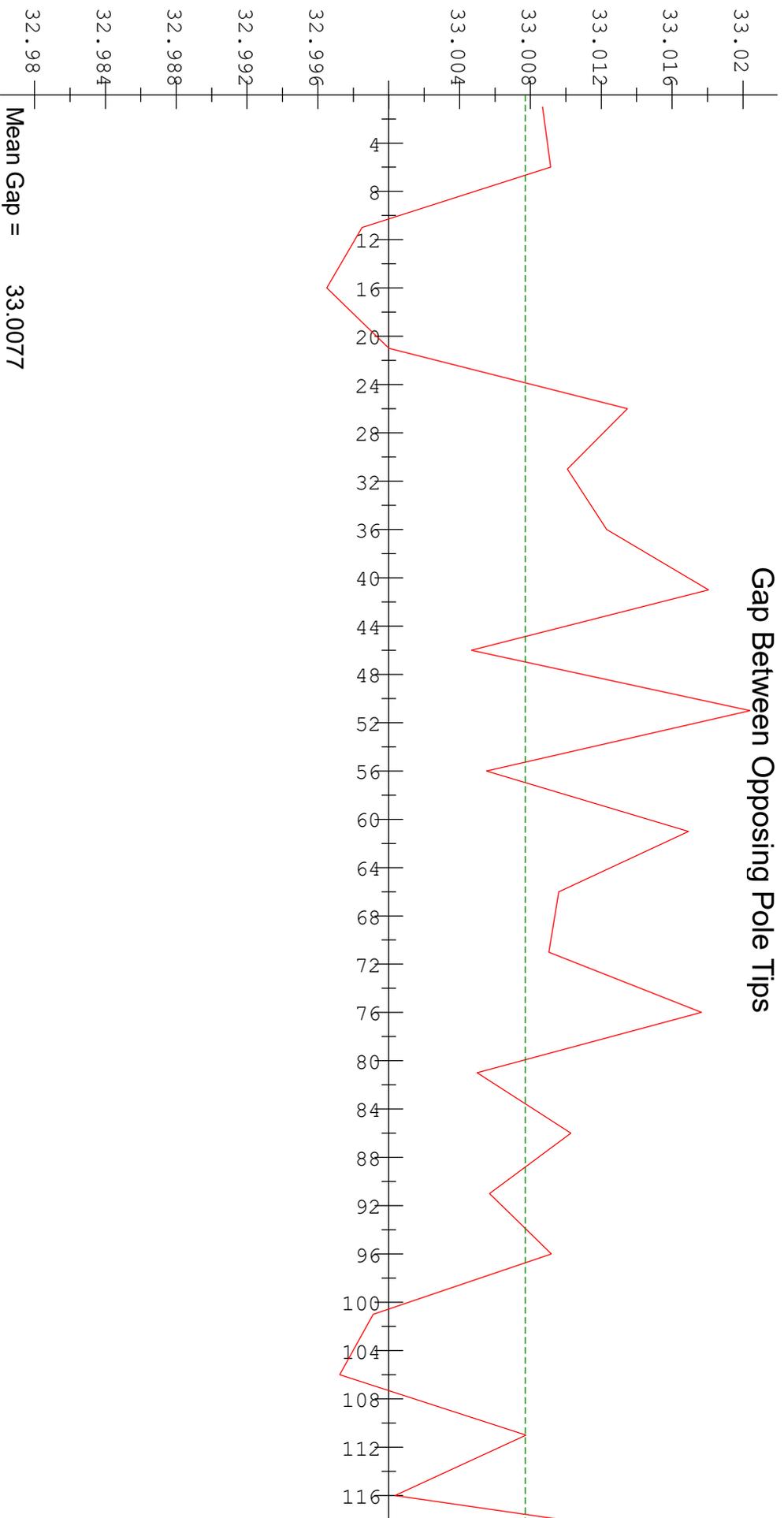


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 33
Nominal Taper = 0.000
Gap Reading = 33.0001
US Encoder = 33.0000
DS Encoder = 33.0001

14-AUG-2024
S/N = 025
D/S = 0001
Run = 10



Step Between Measured Pole Tips = 5

Dimensions in mm



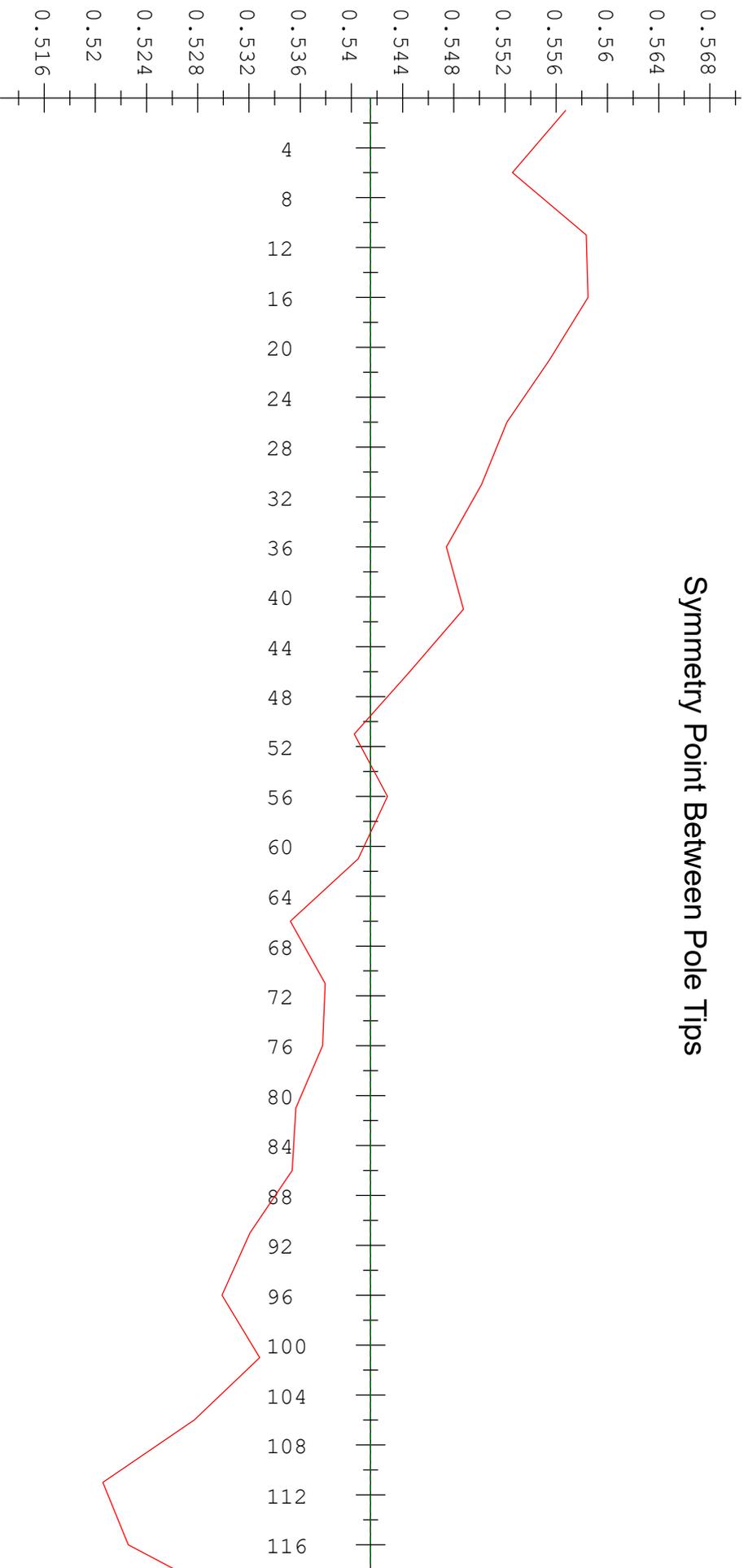
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 33
 Gap Reading = 33.0001
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 Nominal Taper = 0.000
 DS Encoder = 33.0001

14-AUG-2024
 S/N = 025
 D/S = 0001
 Run = 10

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.5415

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 33
Nominal Taper = 0.000
Gap Reading = 33.0001
US Encoder = 33.0000
DS Encoder = 33.0001

14-AUG-2024
S/N = 025
D/S = 0001
Run = 10

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	17.0632	17.0549	17.0358	17.0272
Bottom	-15.9454	-15.9534	-15.9716	-15.9798
Gap	33.0086			33.0070
Taper				-0.0017

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
17.0454	-15.9624	33.0077	0.5415

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	32.963
Reference Block Gap	6.795

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 33 Nominal Taper = 0.000
 Gap Reading = 33.0001 US Encoder = 33.0000 DS Encoder = 33.0001

14-AUG-2024
 S/N = 025
 D/S = 0001
 Run = 10