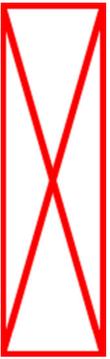


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



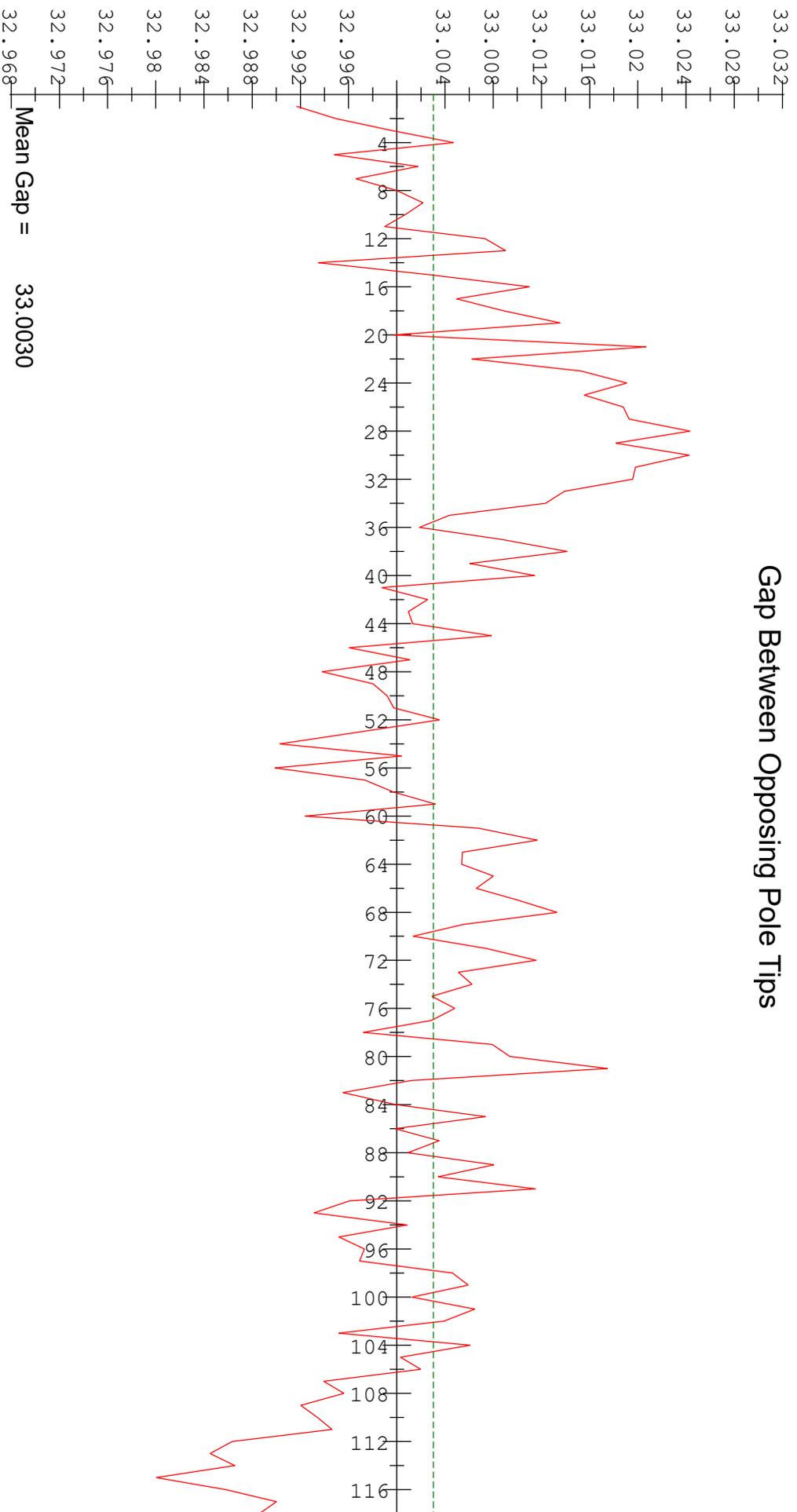
METROLOGY

LCLS II-HE - SXR Undulator

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

25-AUG-2022
S/N = 000
D/S = 0001
Run = 4

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



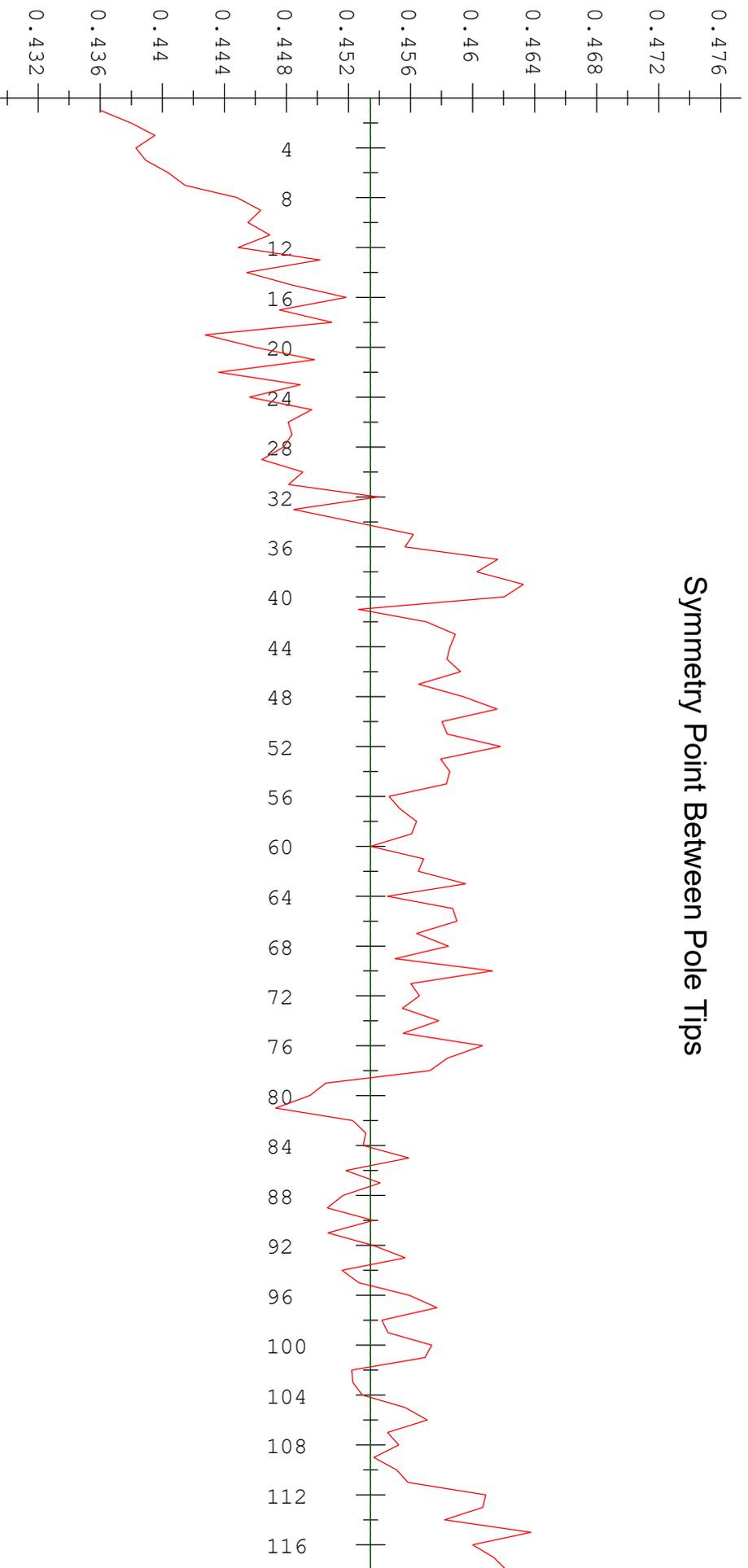
METROLOGY

LCLS II-HE - SXR Undulator

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

25-AUG-2022
S/N = 000
D/S = 0001
Run = 4

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4534

Step Between Measured Pole Tips = 1

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

25-AUG-2022
S/N = 000
D/S = 0001
Run = 4

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	16.9518	16.9533	16.9566	16.9581
Bottom	-16.0573	-16.0530	-16.0433	-16.0389
Gap	33.0091			32.9970
Taper				-0.0121

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
16.9549	-16.0481	33.0030	0.4534

Additional Calculated Values

Bottom Pole #1 Z Value	974.815
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.006
Minimum Effective Gap	32.958
Reference Block Gap	6.804

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

25-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 4