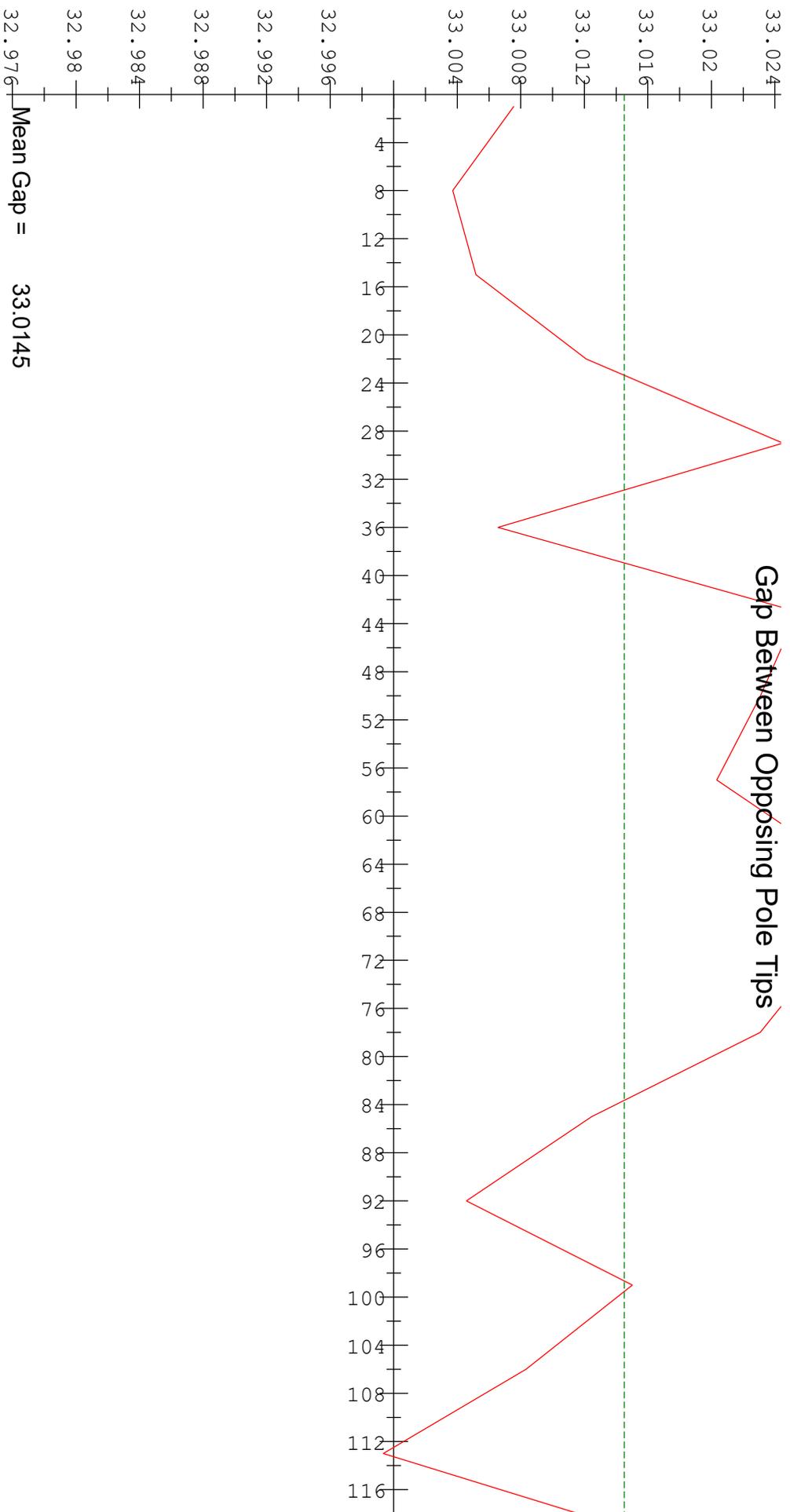


METROLOGY

LCLS II-HE - SXR Undulator

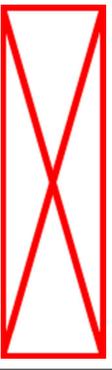
Nominal Gap = 33
 Gap Reading = 33.0000
 US Encoder = 33.0000
 Nominal Taper = 0.000
 DS Encoder = 33.0000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 12



Step Between Measured Pole Tips = 7

Dimensions in mm



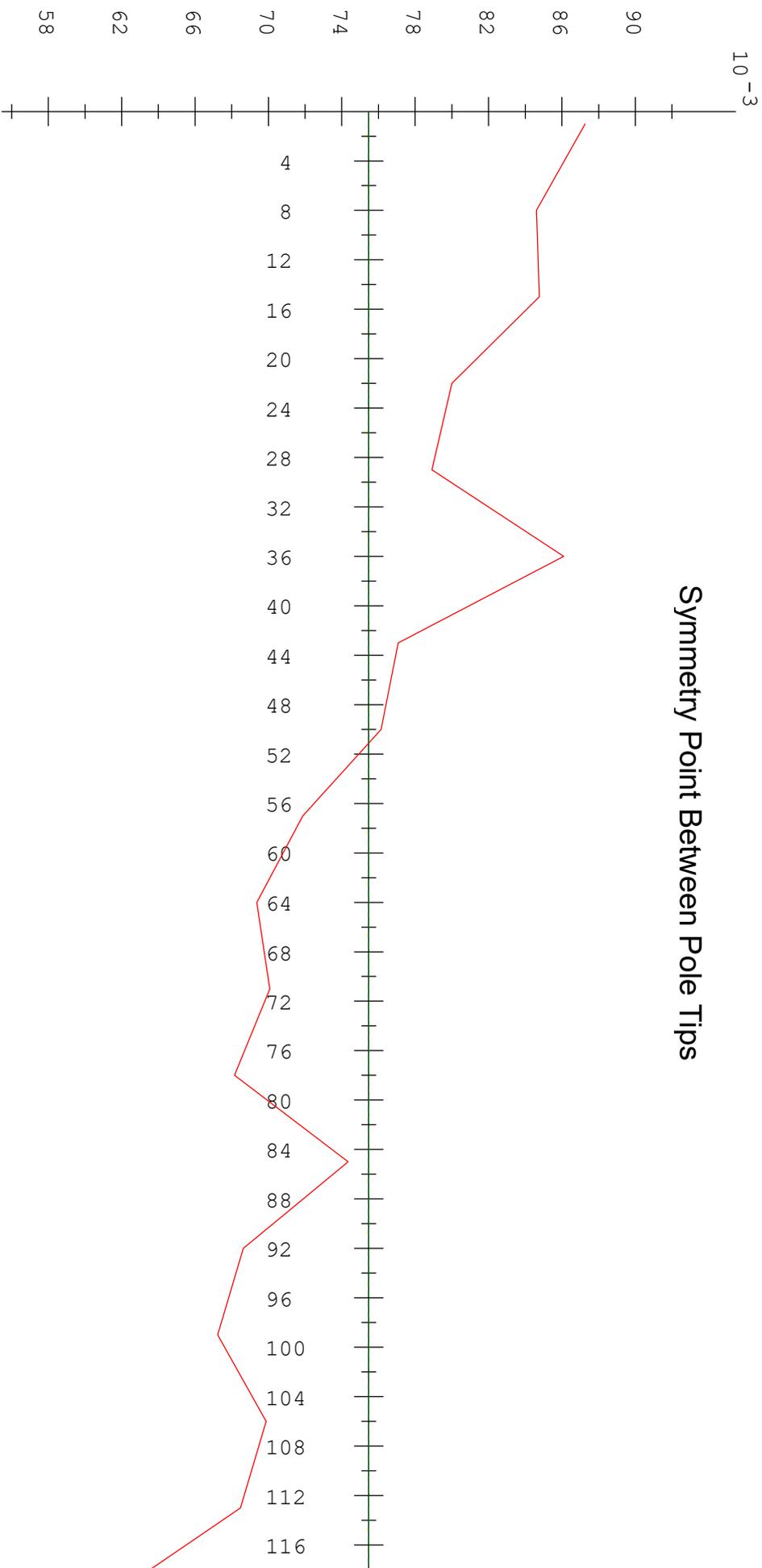
METROLOGY

LCLS II-HE - SXR Undulator

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

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 12

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0755

Step Between Measured Pole Tips = 7

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

29-AUG-2022
S/N = 000
D/S = 0001
Run = 12

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	16.5929	16.5880	16.5765	16.5714
Bottom	-16.4219	-16.4266	-16.4376	-16.4426
Gap	33.0148			33.0139
Taper				-0.0009

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
16.5827	-16.4318	33.0145	0.0755

Additional Calculated Values

Bottom Pole #1 Z Value	974.854
Top Jaw Pitch (mrad)	-0.007
Bottom Jaw Pitch(mrad)	-0.006
Minimum Effective Gap	32.985
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

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