

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

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



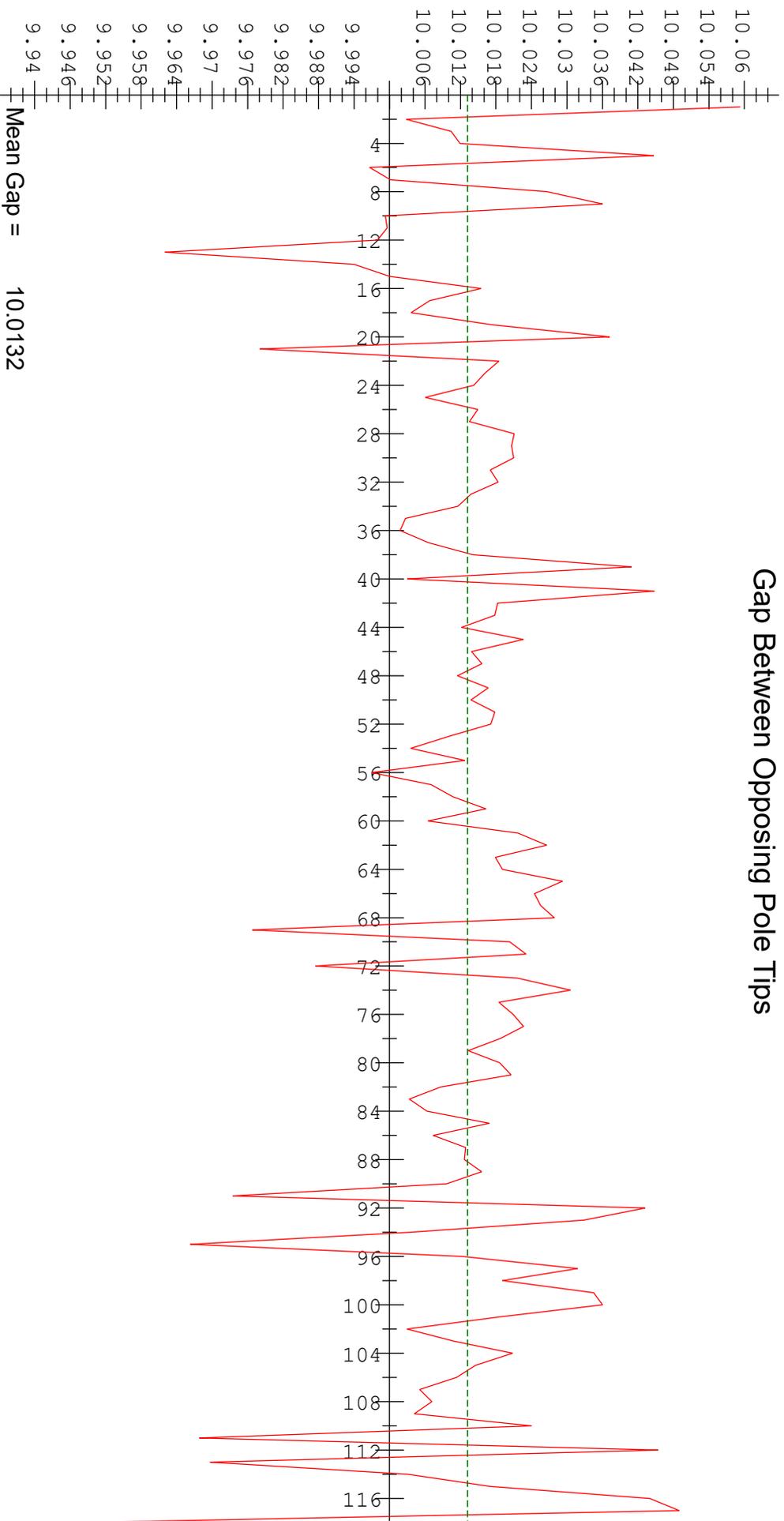
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0001

03-JUL-2023
S/N = 000
D/S = 0003
Run = 6

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



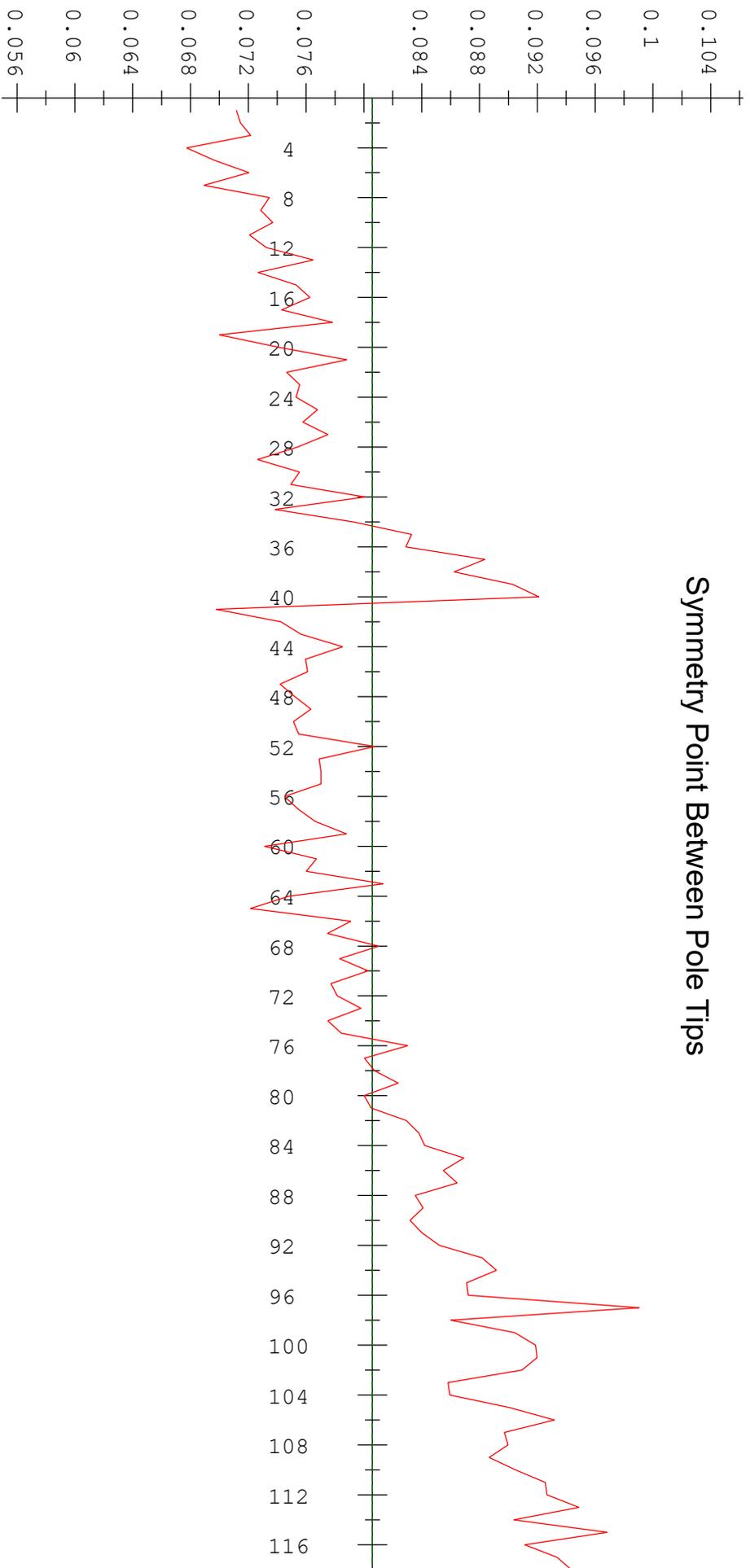
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0806

Step Between Measured Pole Tips = 1

Dimensions in mm



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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	5.0774	5.0819	5.0923	5.0969
Bottom	-4.9363	-4.9315	-4.9207	-4.9157
Gap	10.0137			10.0127
Taper				-0.0010

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0872	-4.9260	10.0132	0.0806

Additional Calculated Values

Bottom Pole #1 Z Value	974.878
Top Jaw Pitch (mrad)	0.006
Bottom Jaw Pitch(mrad)	0.006
Minimum Effective Gap	9.937
Reference Block Gap	6.798

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