

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

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



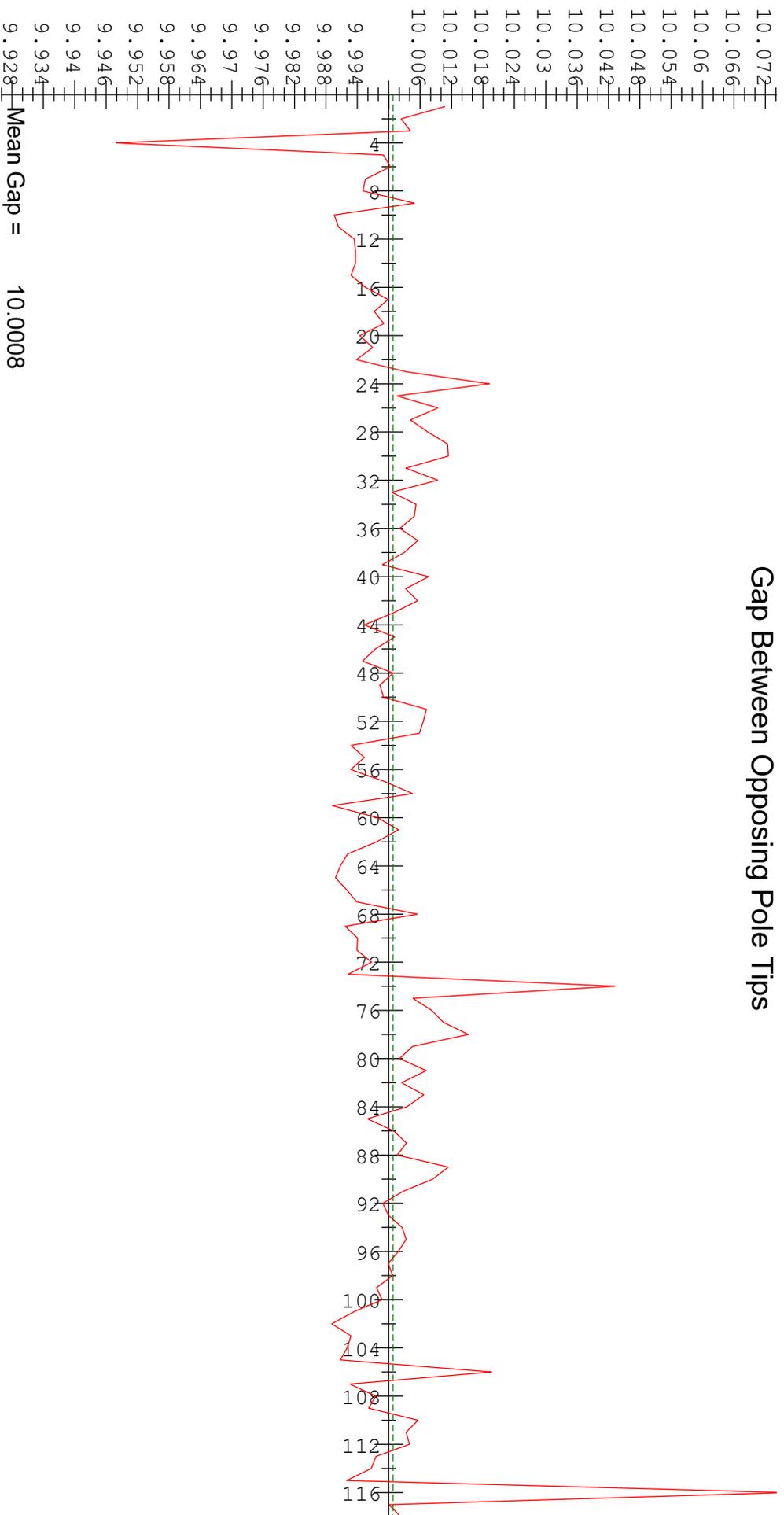
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0003 US Encoder = 10.0005 DS Encoder = 10.0002

21-AUG-2024
S/N = 025
D/S = 0001
Run = 11

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



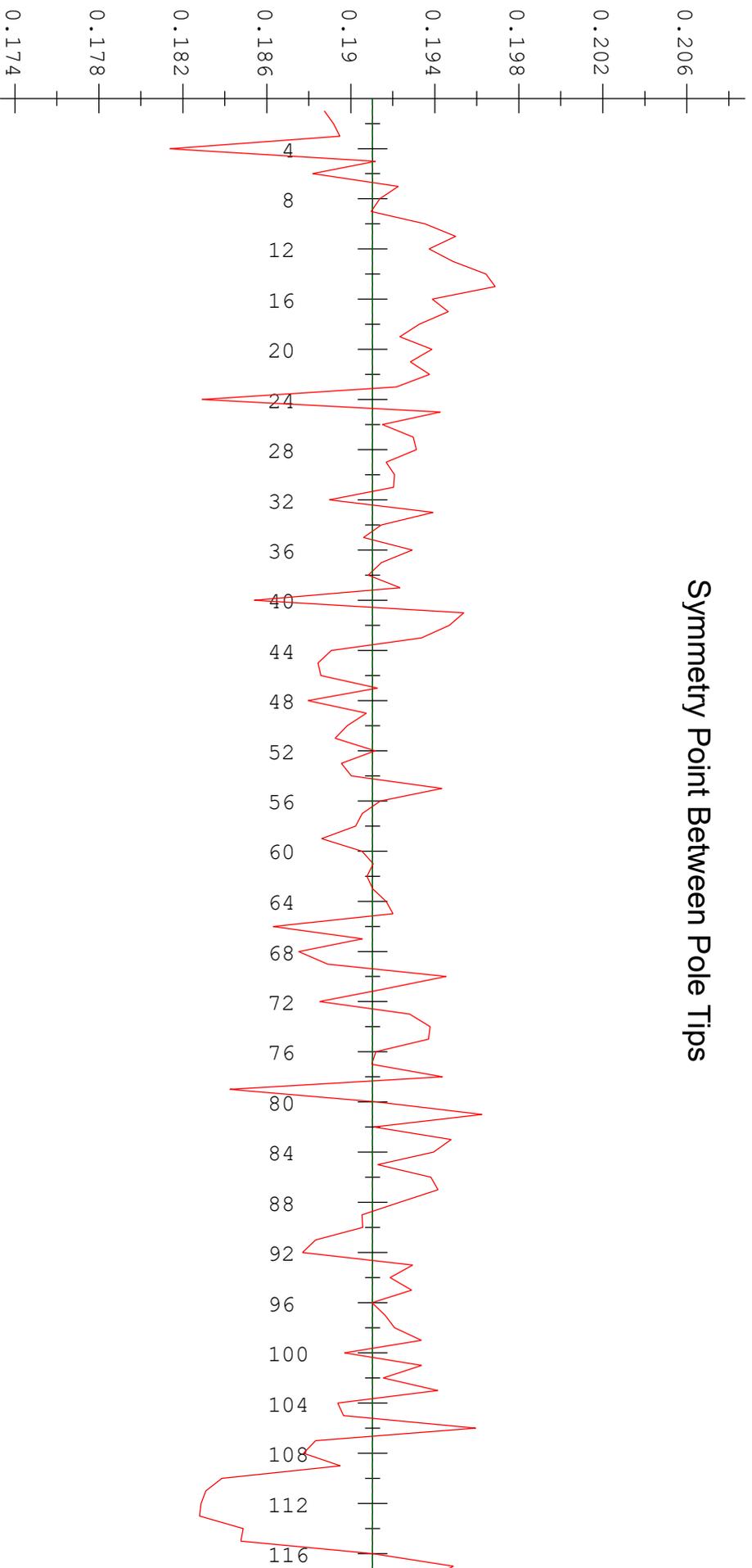
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1910

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	5.1910	5.1912	5.1917	5.1919
Bottom	-4.8068	-4.8080	-4.8107	-4.8119
Gap	9.9978			10.0038
Taper				0.0060

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1914	-4.8094	10.0008	0.1910

Additional Calculated Values

Bottom Pole #1 Z Value	979.438
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	-0.002
Minimum Effective Gap	9.948
Reference Block Gap	6.801

Dimensions in mm



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