

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

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



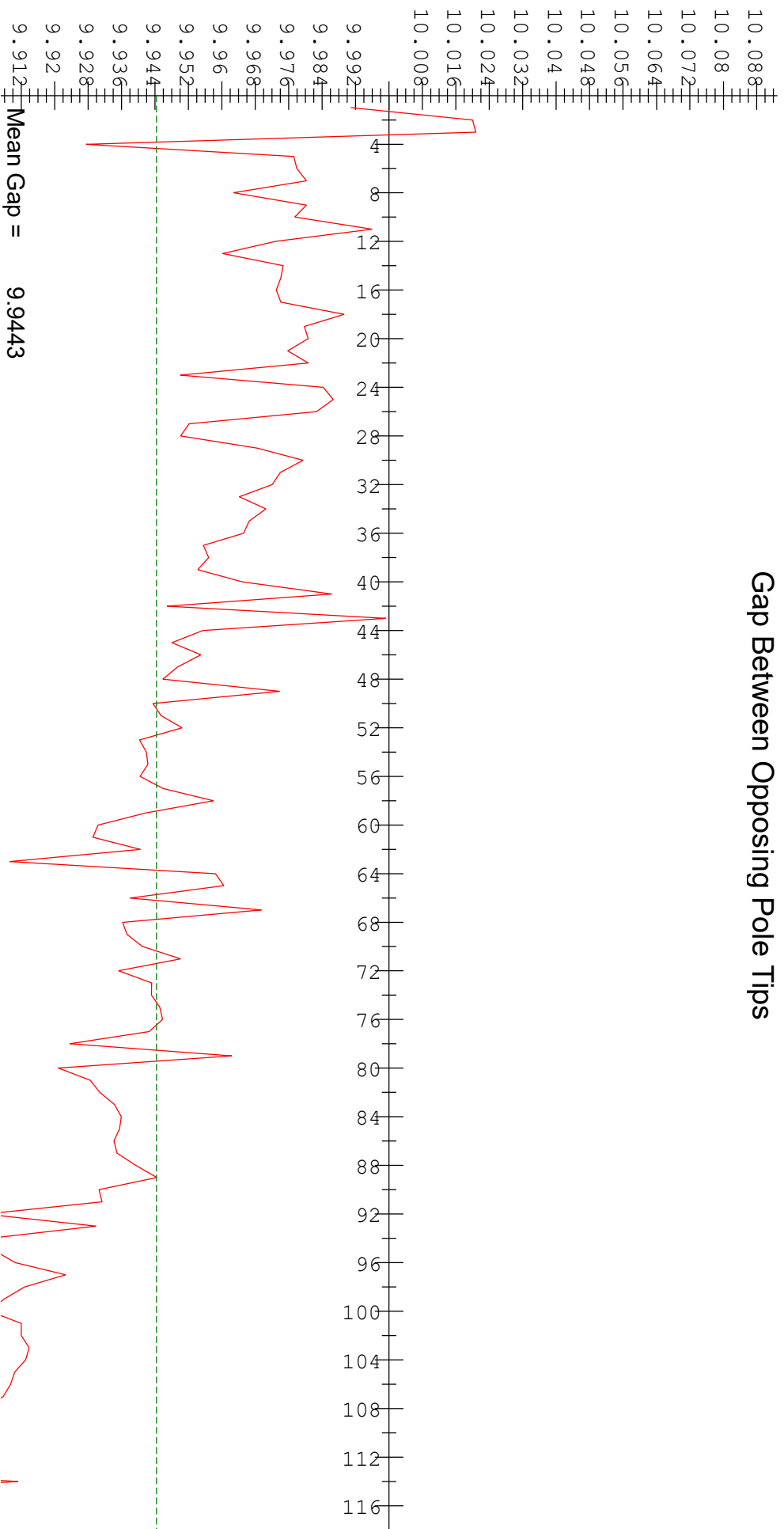
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

13-MAY-2026
S/N = 020
D/S = 0001
Run = 4

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



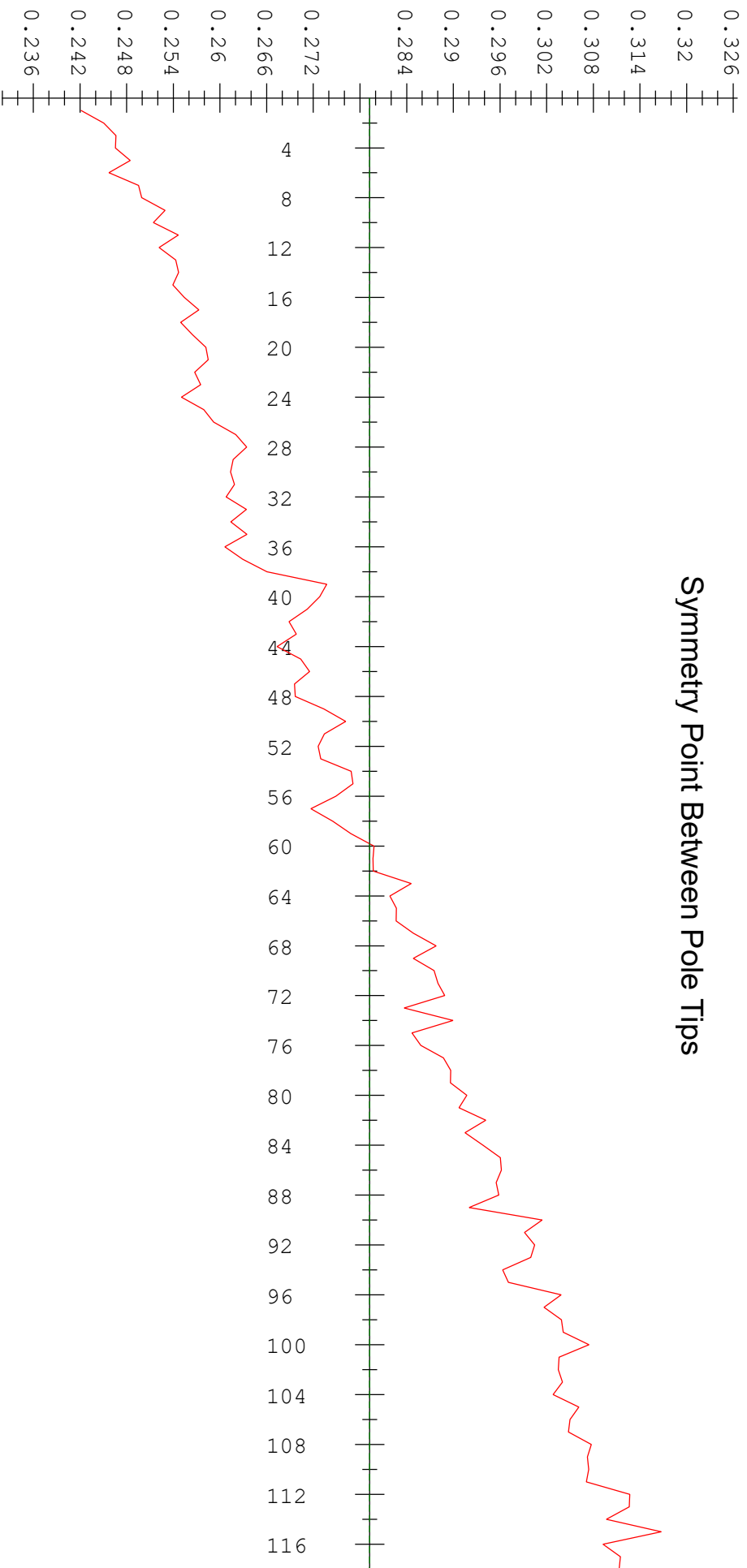
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2792

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	5.2409	5.2458	5.2569	5.2619
Bottom	-4.7504	-4.7239	-4.6629	-4.6354
Gap	9.9914			9.8973
Taper				-0.0941

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2514	-4.6929	9.9443	0.2792

Additional Calculated Values

Bottom Pole #1 Z Value	978.394
Top Jaw Pitch (mrad)	0.006
Bottom Jaw Pitch(mrad)	0.035
Minimum Effective Gap	9.825
Reference Block Gap	6.795

Dimensions in mm



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