

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

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



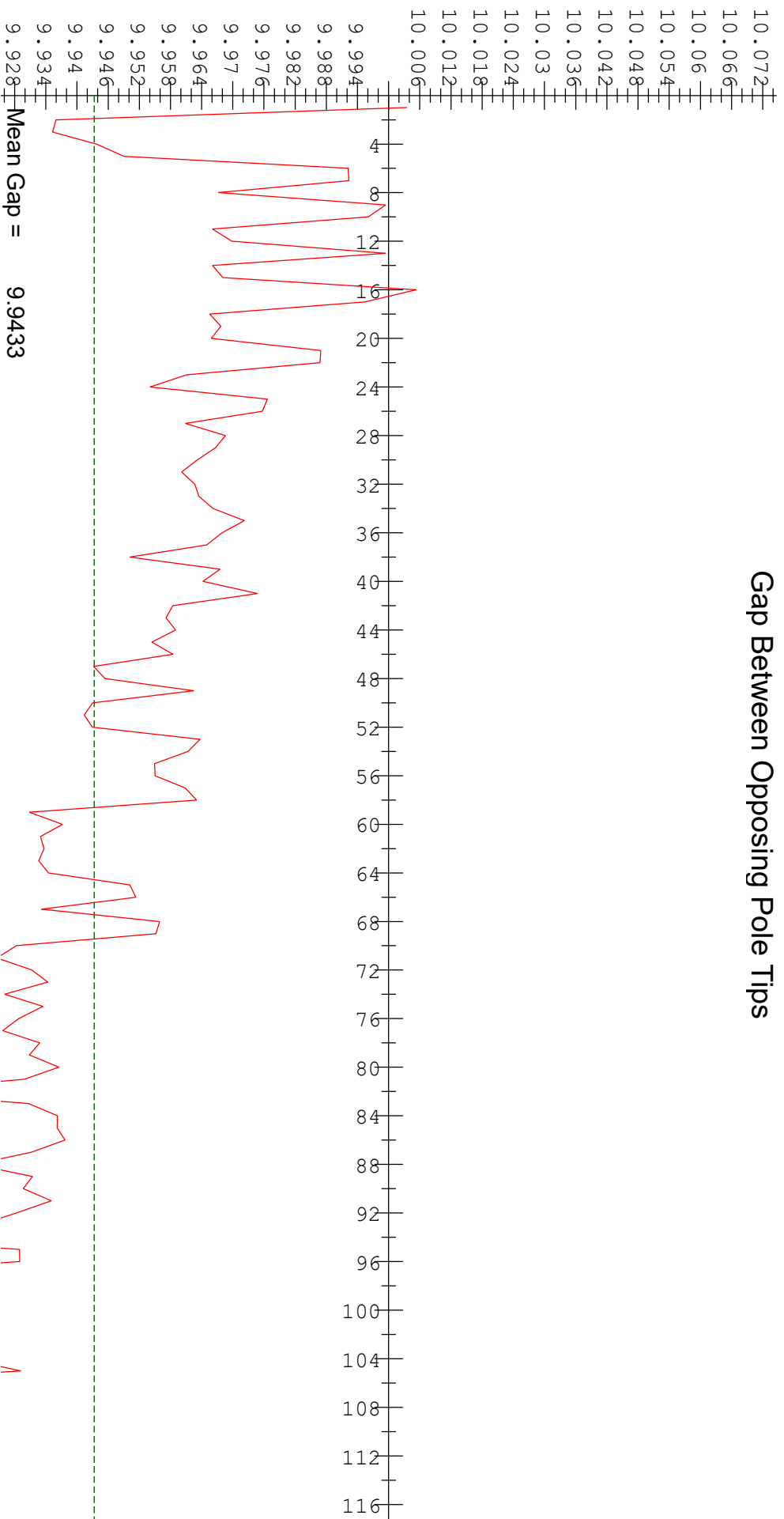
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9499 US Encoder = 10.0000 DS Encoder = 9.9000

28-APR-2026
S/N = 012
D/S = 0001
Run = 3

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



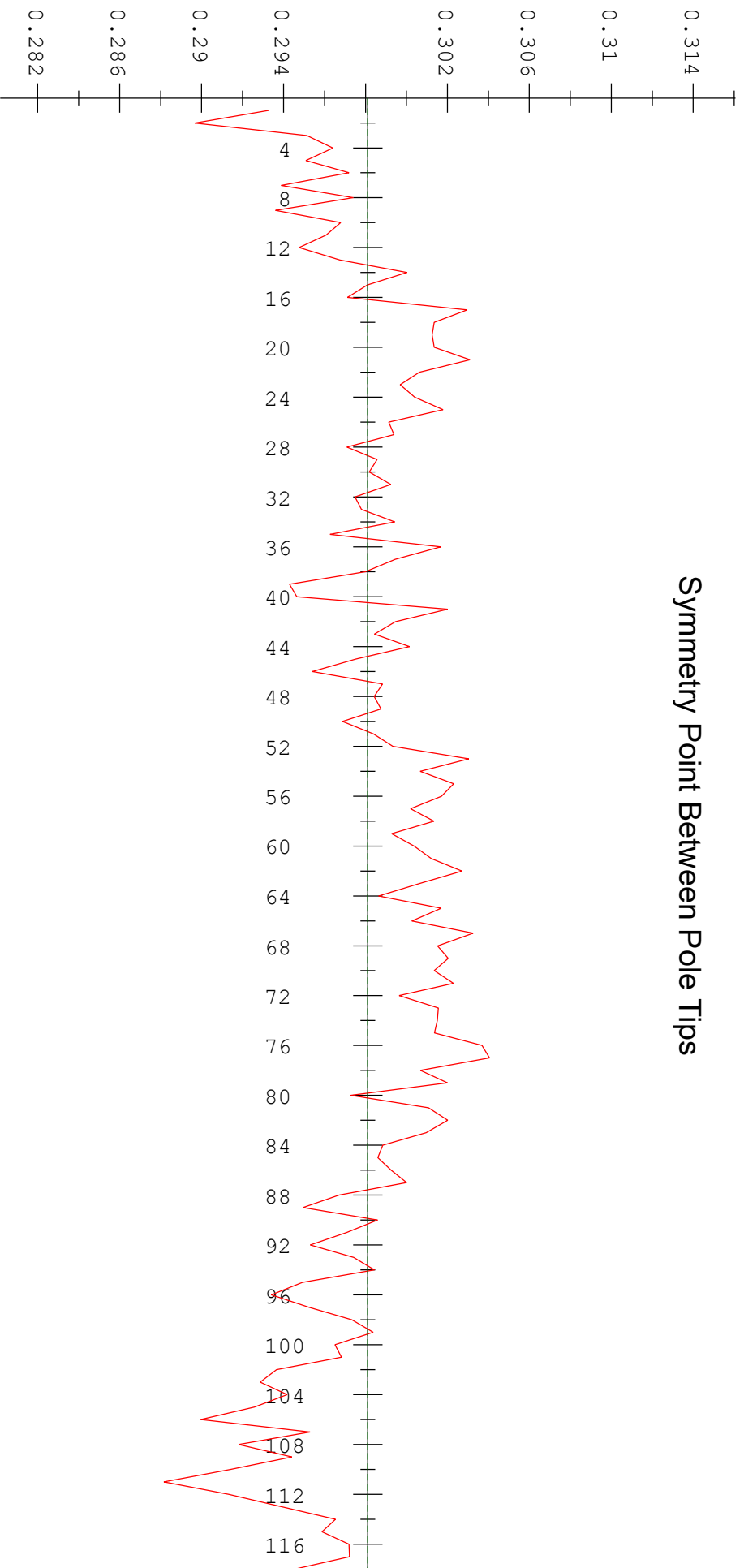
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2981

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	5.2919	5.2817	5.2582	5.2476
Bottom	-4.6933	-4.6842	-4.6633	-4.6538
Gap	9.9852			9.9015
Taper				-0.0838

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2698	-4.6736	9.9433	0.2981

Additional Calculated Values

Bottom Pole #1 Z Value	978.850
Top Jaw Pitch (mrad)	-0.014
Bottom Jaw Pitch(mrad)	0.012
Minimum Effective Gap	9.875
Reference Block Gap	6.798

Dimensions in mm



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