

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

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



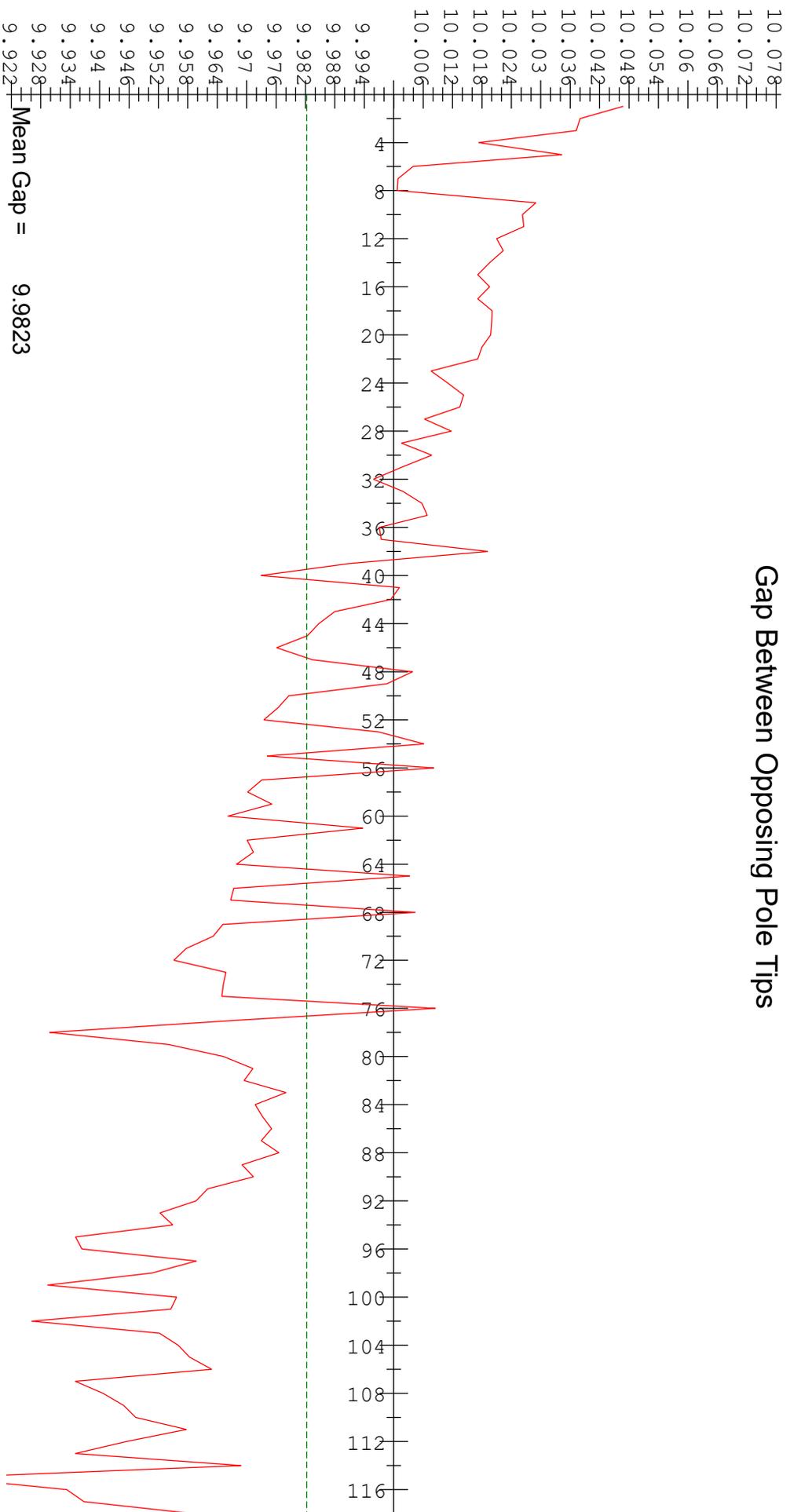
METROLOGY

LCLS II-HE - SXR Undulator

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

08-SEP-2025
S/N = 004
D/S = 0001
Run = 7

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



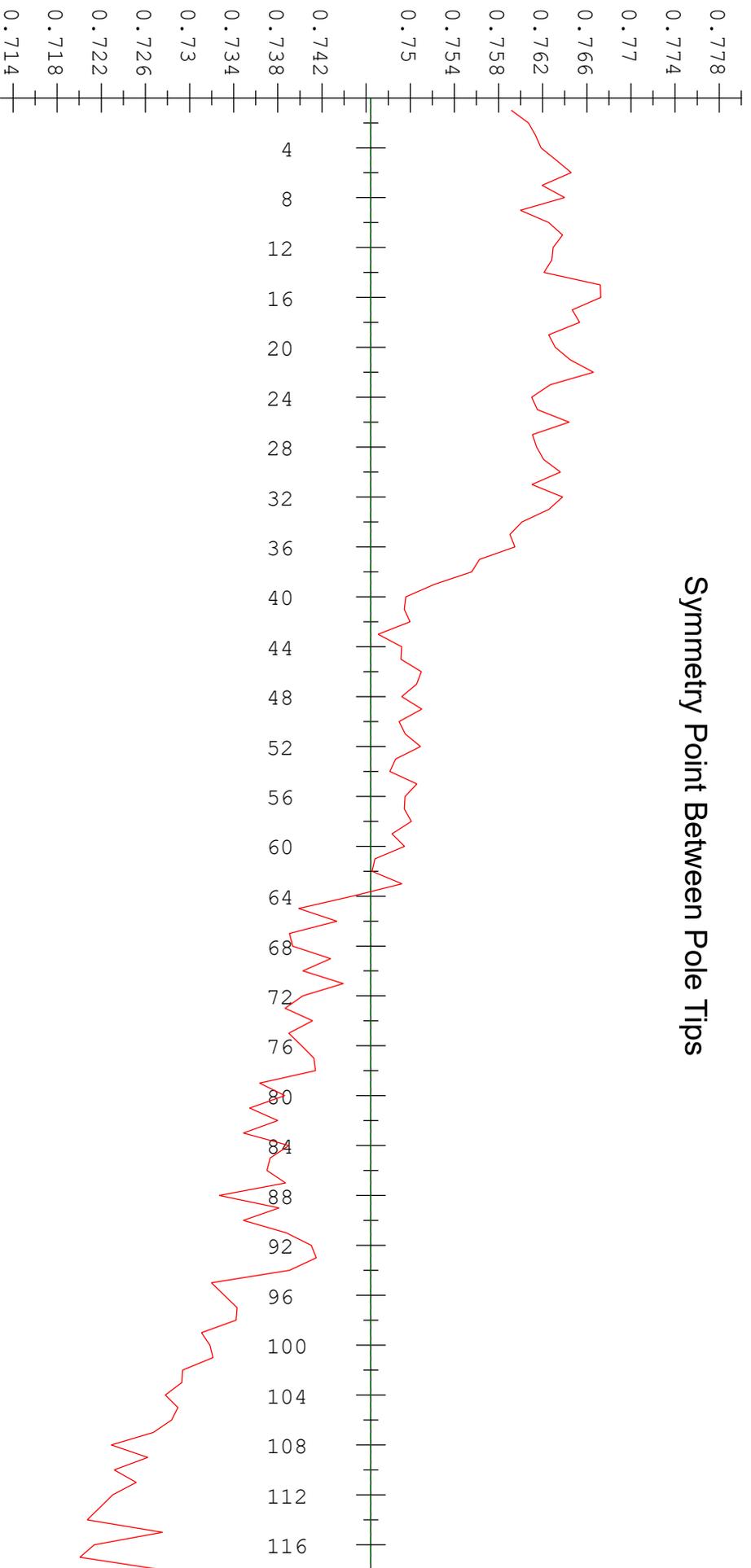
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.7464

Step Between Measured Pole Tips = 1

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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	5.7823	5.7616	5.7142	5.6928
Bottom	-4.2450	-4.2449	-4.2445	-4.2444
Gap	10.0273			9.9372
Taper				-0.0900

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.7376	-4.2447	9.9823	0.7464

Additional Calculated Values

Bottom Pole #1 Z Value	978.848
Top Jaw Pitch (mrad)	-0.027
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	9.905
Reference Block Gap	6.799

Dimensions in mm



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