

Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 5

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



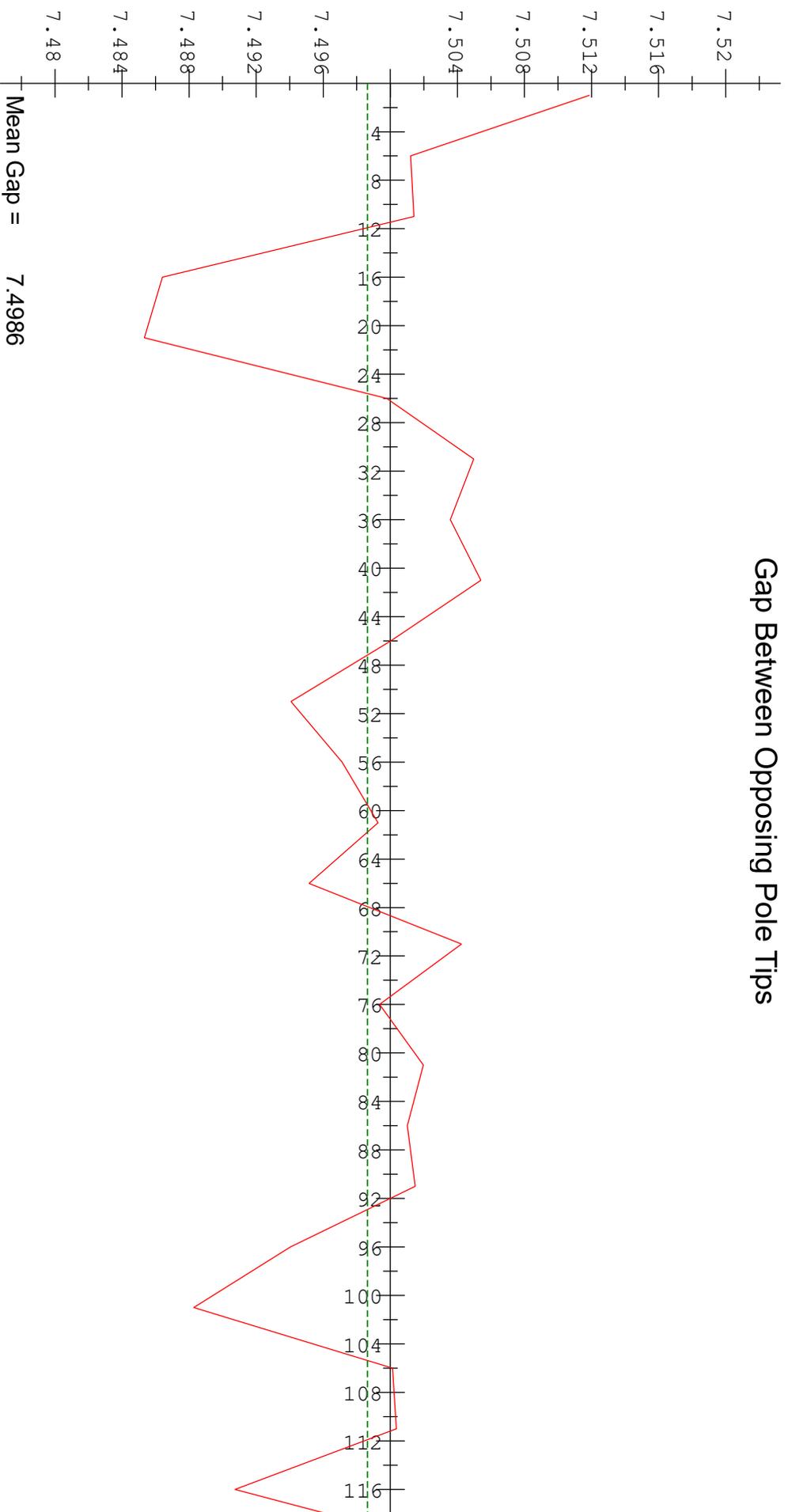
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 7.5 Nominal Taper = 0.000
 Gap Reading = 7.4999 US Encoder = 7.5000 DS Encoder = 7.4999

23-SEP-2024
 S/N = 024
 D/S = 0001
 Run = 5

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



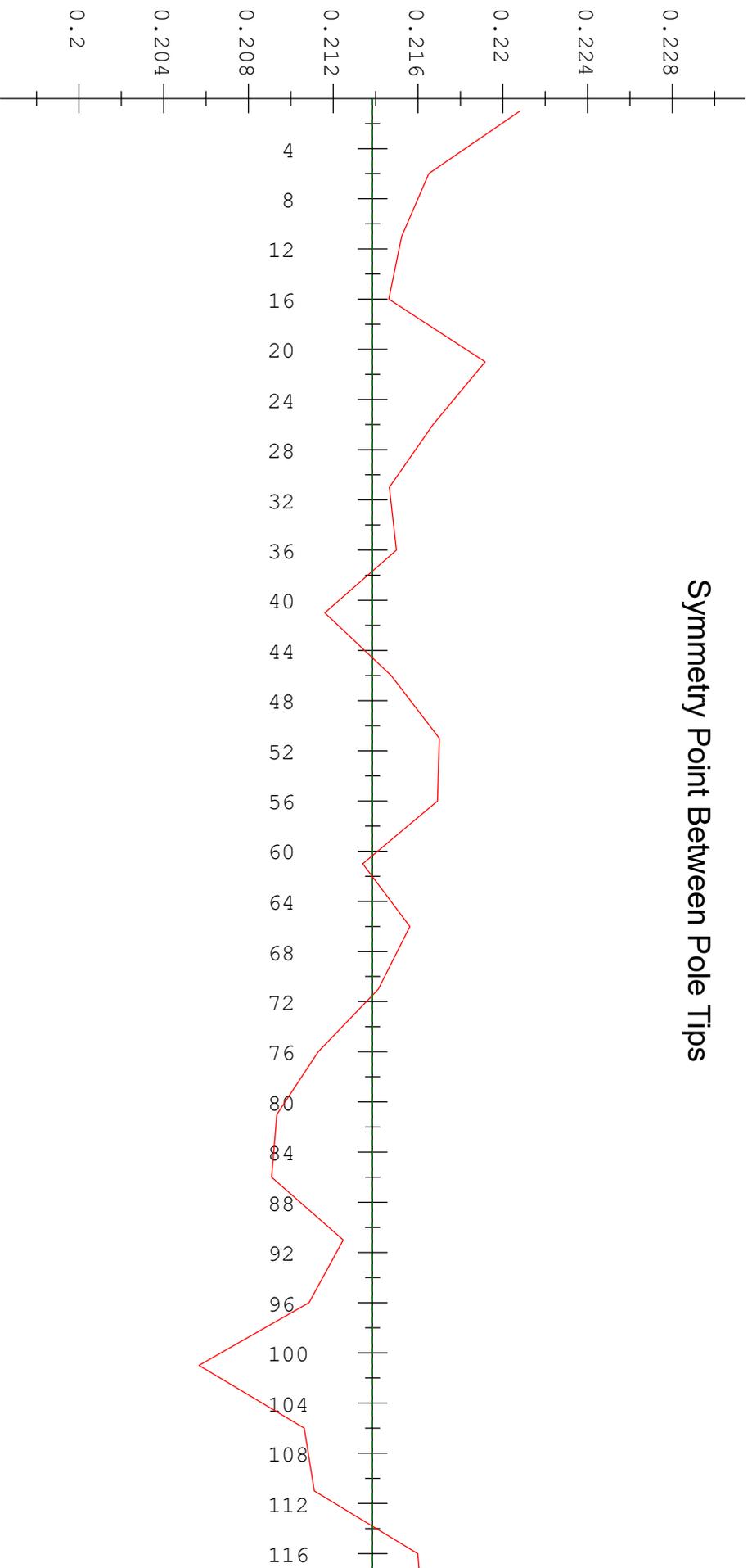
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2139

Step Between Measured Pole Tips = 5

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	3.9677	3.9657	3.9611	3.9590
Bottom	-3.5331	-3.5341	-3.5364	-3.5375
Gap	7.5007			7.4964
Taper				-0.0043

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.9632	-3.5355	7.4986	0.2139

Additional Calculated Values

Bottom Pole #1 Z Value	978.595
Top Jaw Pitch (mrad)	-0.003
Bottom Jaw Pitch(mrad)	-0.001
Minimum Effective Gap	7.473
Reference Block Gap	6.799

Dimensions in mm



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