

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

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



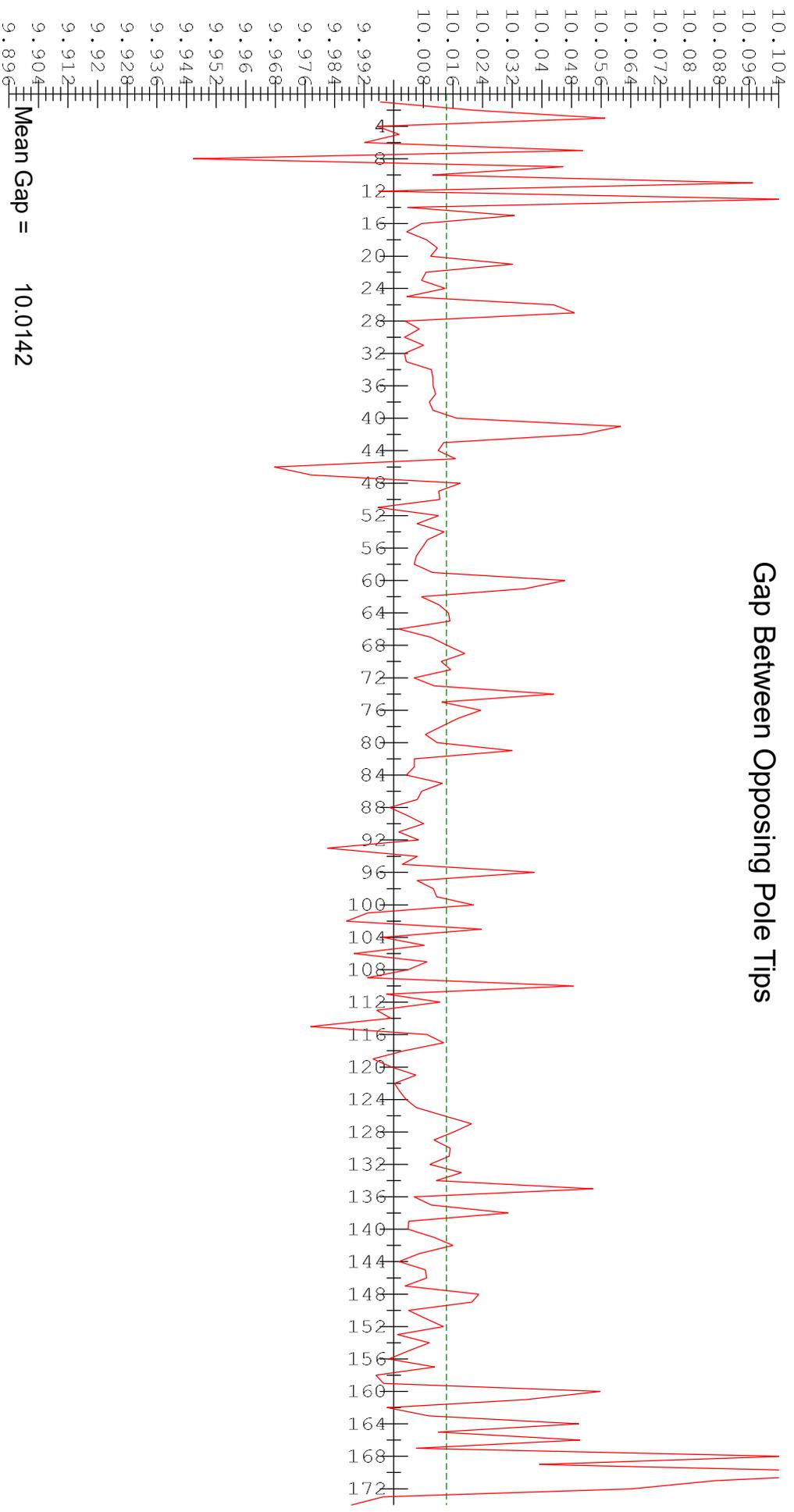
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

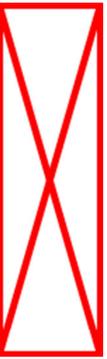
14-JUL-2020
S/N = 021
D/S = 0001
Run = 25

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



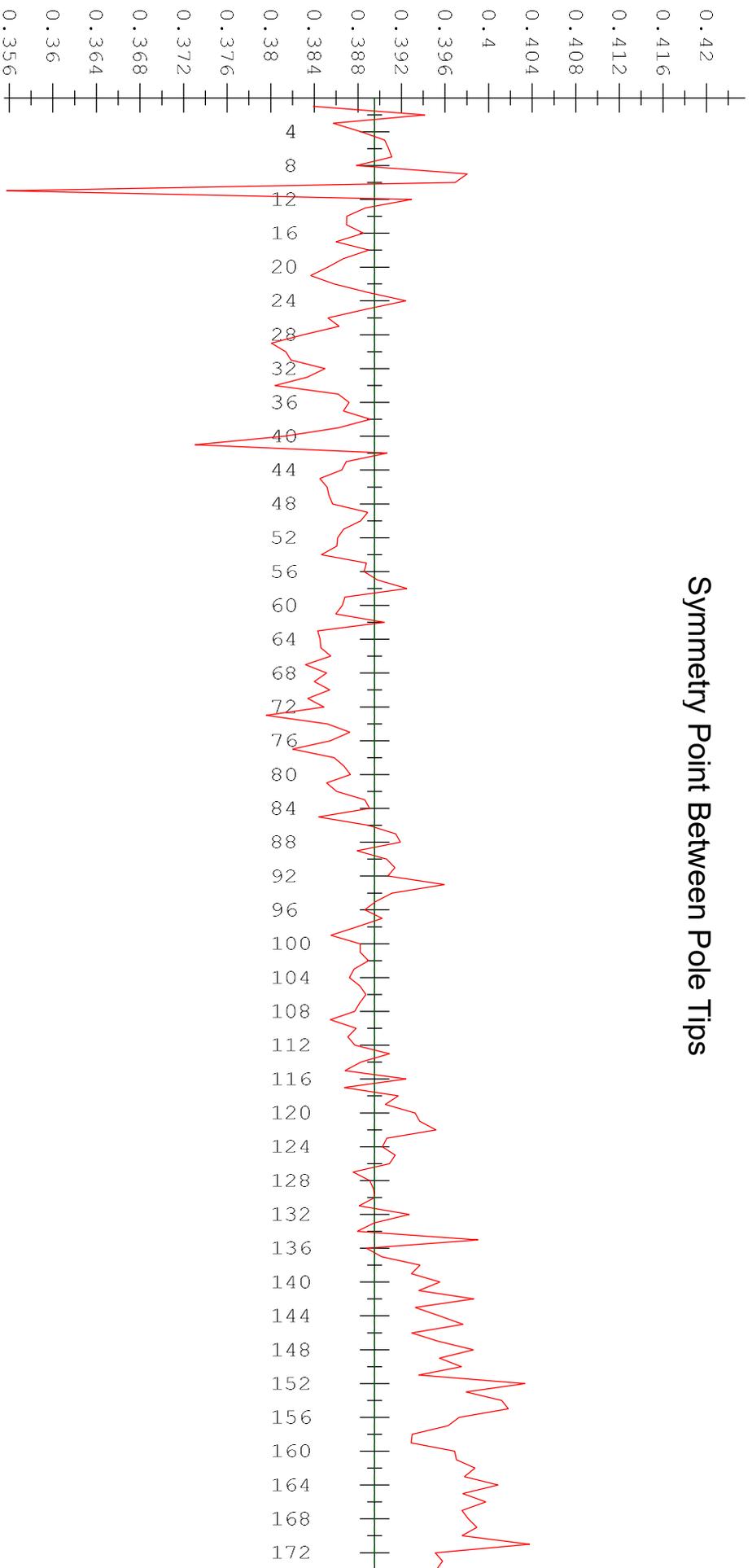
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3895

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 39)</i>	DS Actuator <i>(Pole 135)</i>	Last Pole <i>(Pole 174)</i>
Top	5.3893	5.3925	5.4007	5.4040
Bottom	-4.6226	-4.6204	-4.6148	-4.6125
Gap	10.0119			10.0166
Taper				0.0047

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3966	-4.6176	10.0142	0.3895

Additional Calculated Values

Bottom Pole #1 Z Value	980.159
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	0.003
Minimum Effective Gap	9.946
Reference Block Gap	6.799

Dimensions in mm



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