

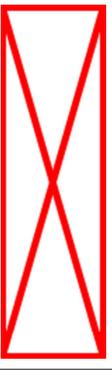
Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

LCLS II - SXR Undulator

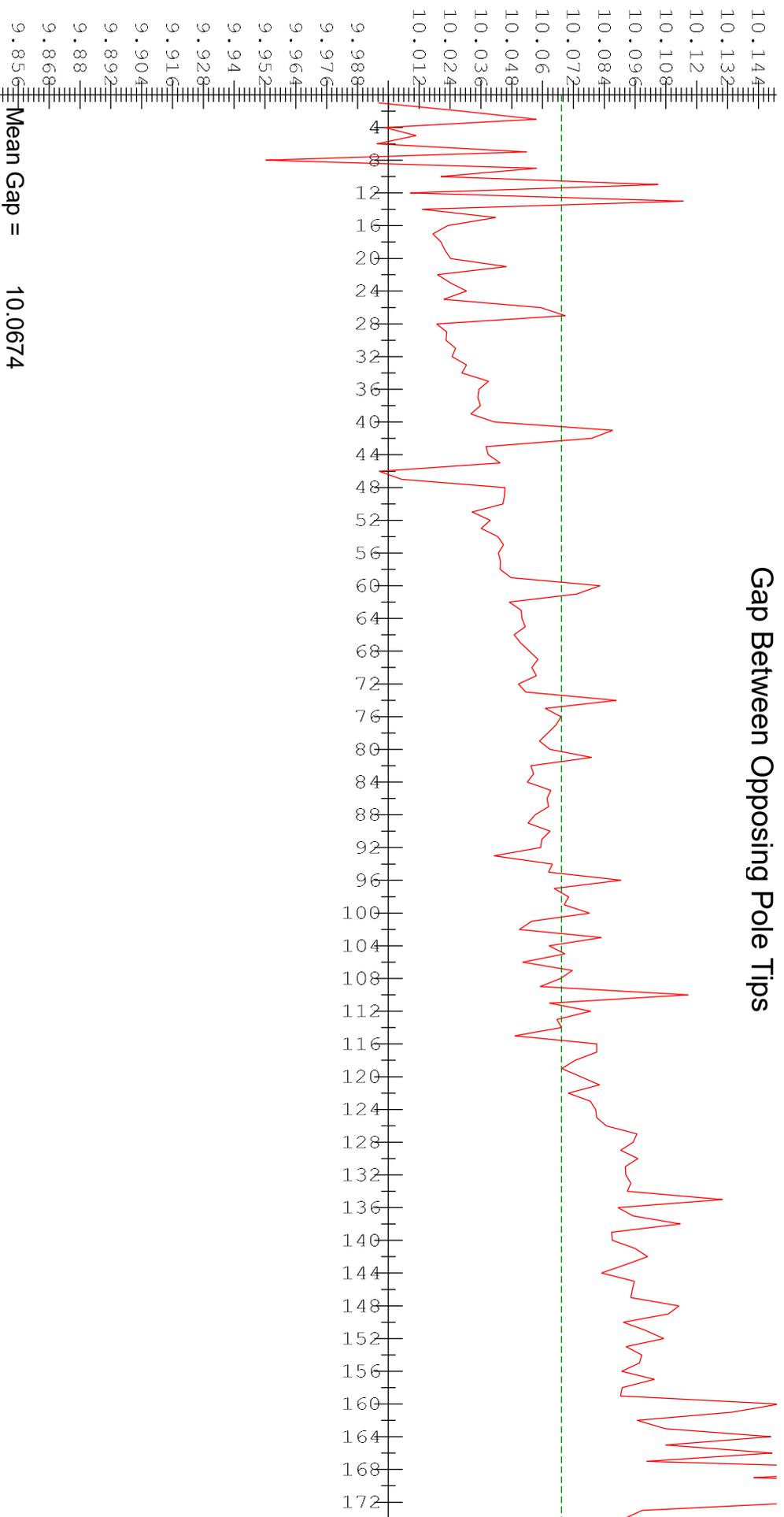
Nominal Gap = 10 Nominal Taper = 0.100
 Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

14-JUL-2020
 S/N = 021
 D/S = 0001
 Run = 23

METROLOGY

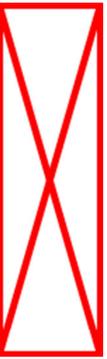


Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



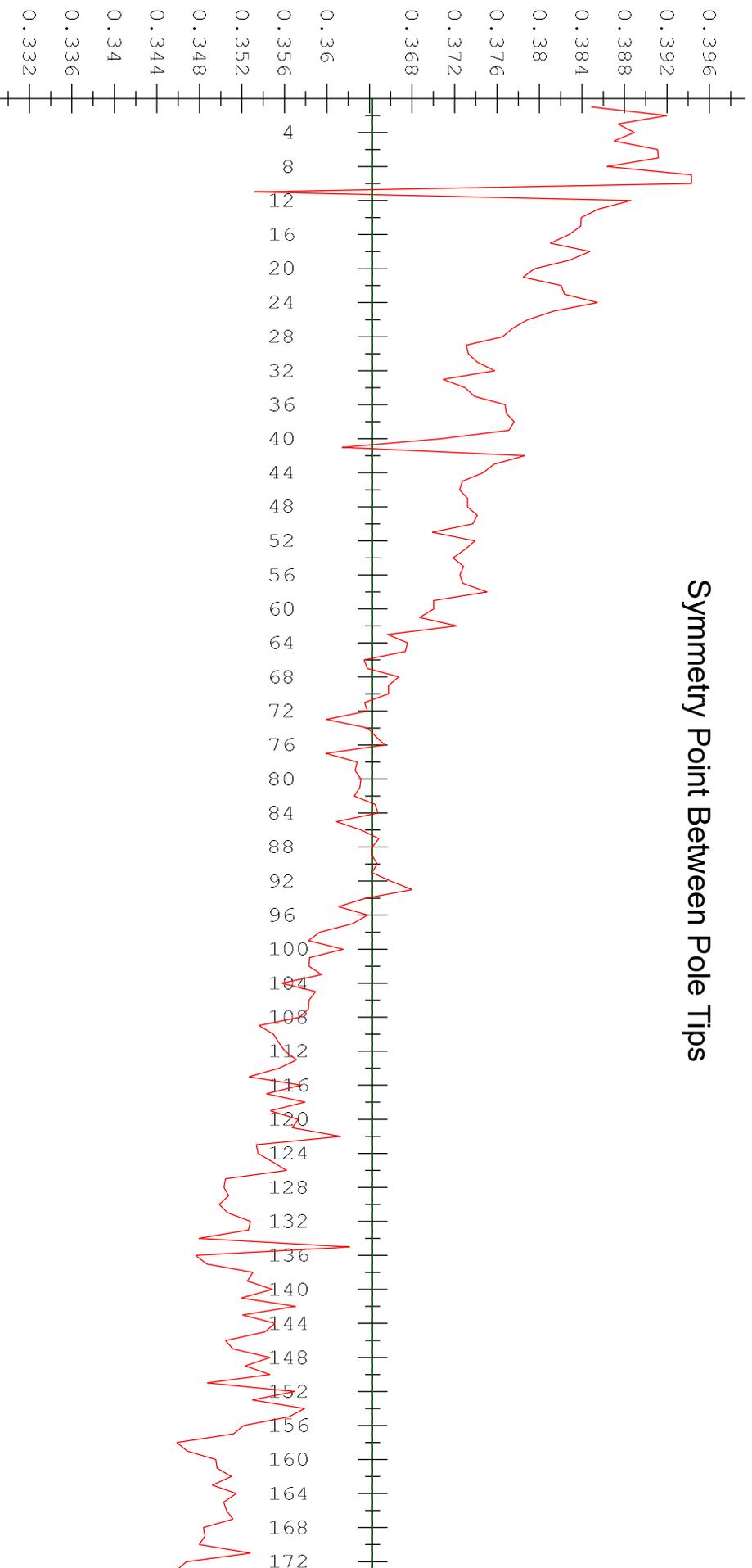
METROLOGY

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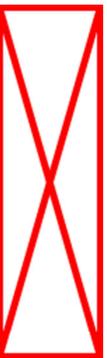
Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3643

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	5.3911	5.3941	5.4018	5.4049
Bottom	-4.6235	-4.6437	-4.6946	-4.7154
Gap	10.0146			10.1202
Taper				0.1056

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3980	-4.6694	10.0674	0.3643

Additional Calculated Values

Bottom Pole #1 Z Value	980.159
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	-0.027
Minimum Effective Gap	9.952
Reference Block Gap	6.799

Dimensions in mm



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