

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points = -----

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300

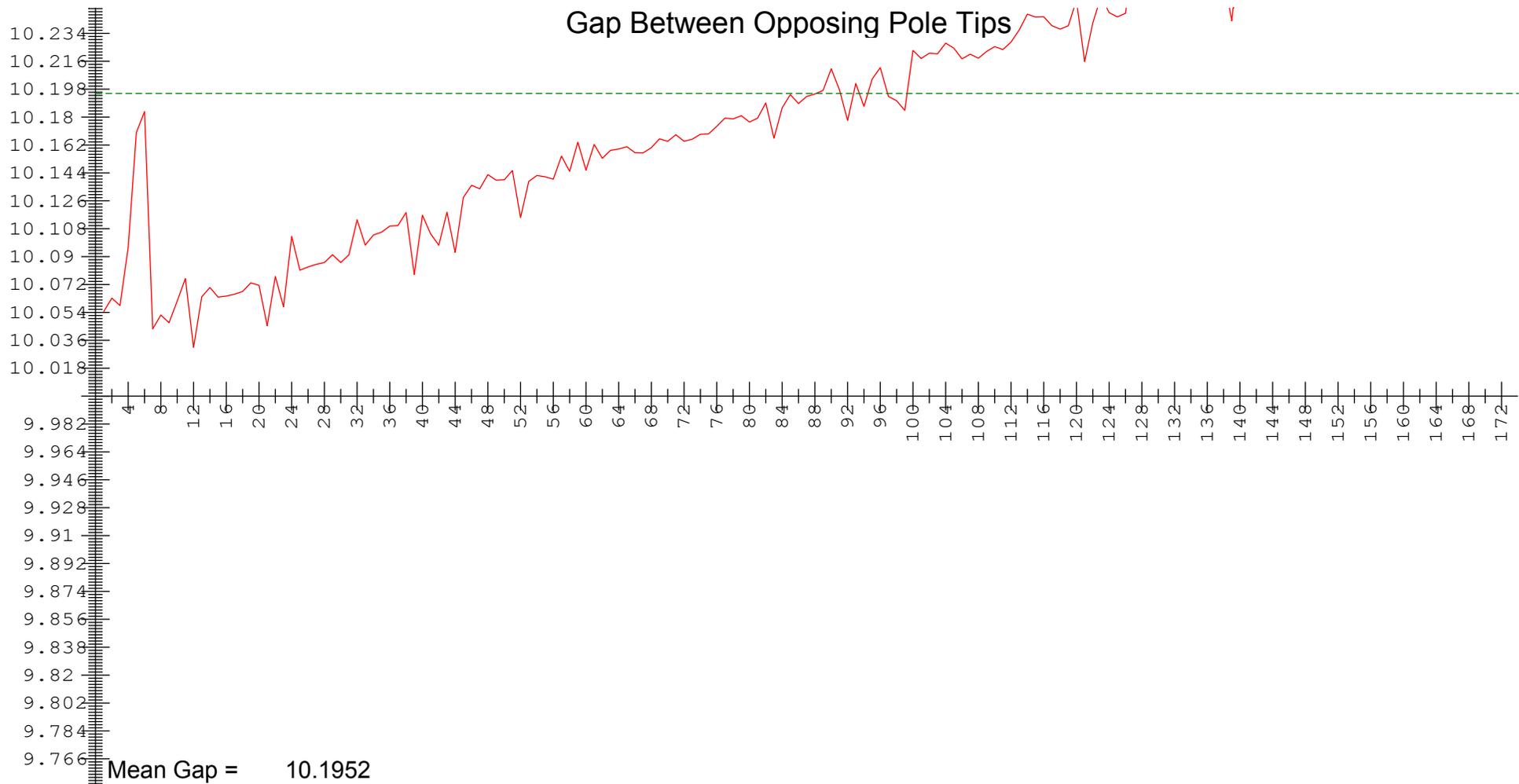
Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3000

29-MAR-2019

S/N = 022

D/S = 0001

Run = 10



Step Between Measured Pole Tips = 1

Dimensions in mm



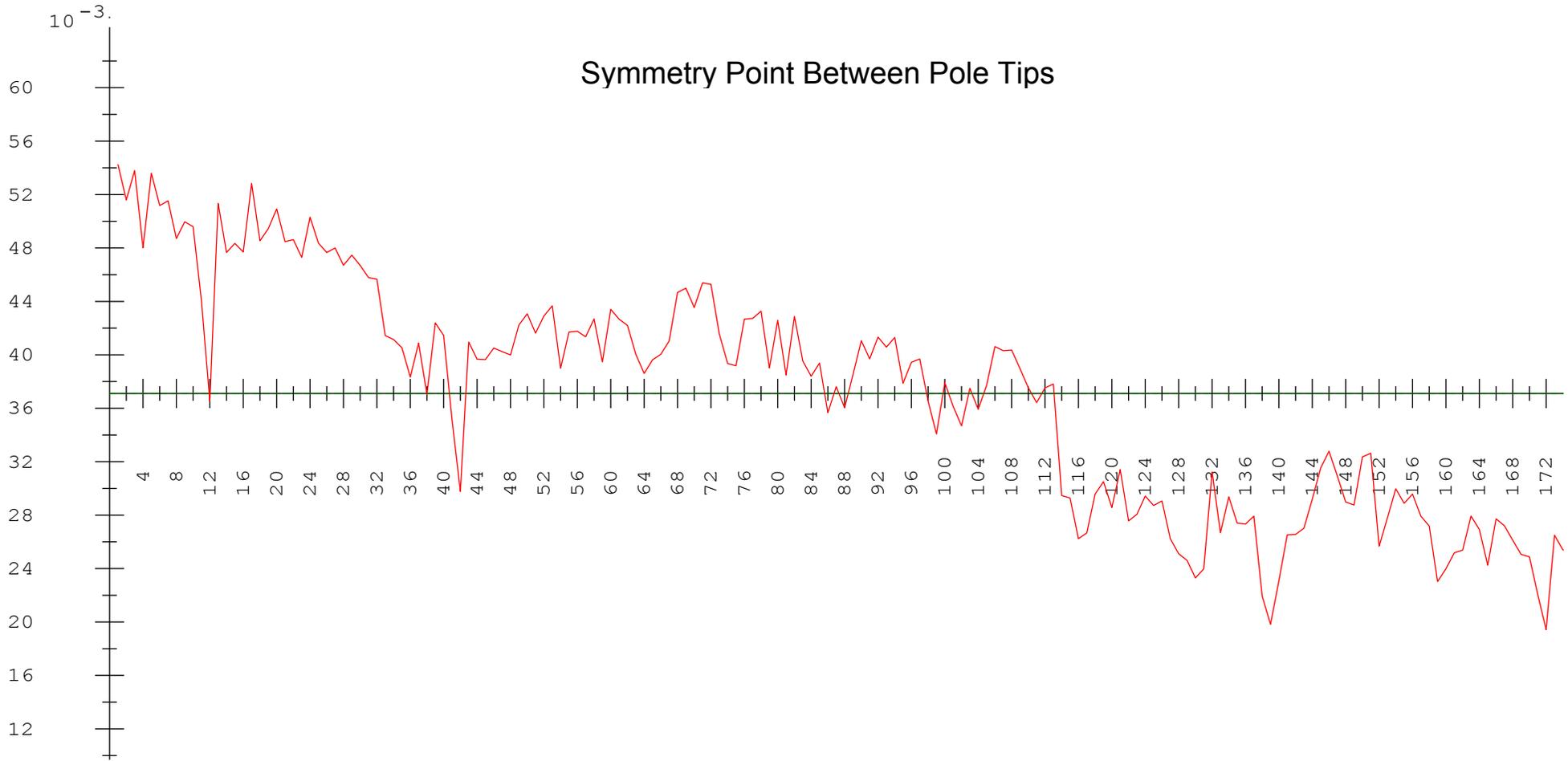
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0371

Step Between Measured Pole Tips = 1

Dimensions in mm



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Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 39)	DS Actuator (Pole 135)	Last Pole (Pole 174)
Top	5.0738	5.1005	5.1682	5.1957
Bottom	-4.9732	-5.0115	-5.1085	-5.1479
Gap	10.0469			10.3435
Taper				0.2966

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1347	-5.0605	10.1952	0.0371

Additional Calculated Values

Bottom Pole #1 Z Value	980.532
Top Jaw Pitch (mrad)	0.036
Bottom Jaw Pitch(mrad)	-0.052
Minimum Effective Gap	10.022
Reference Block Gap	6.812

Dimensions in mm



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