

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

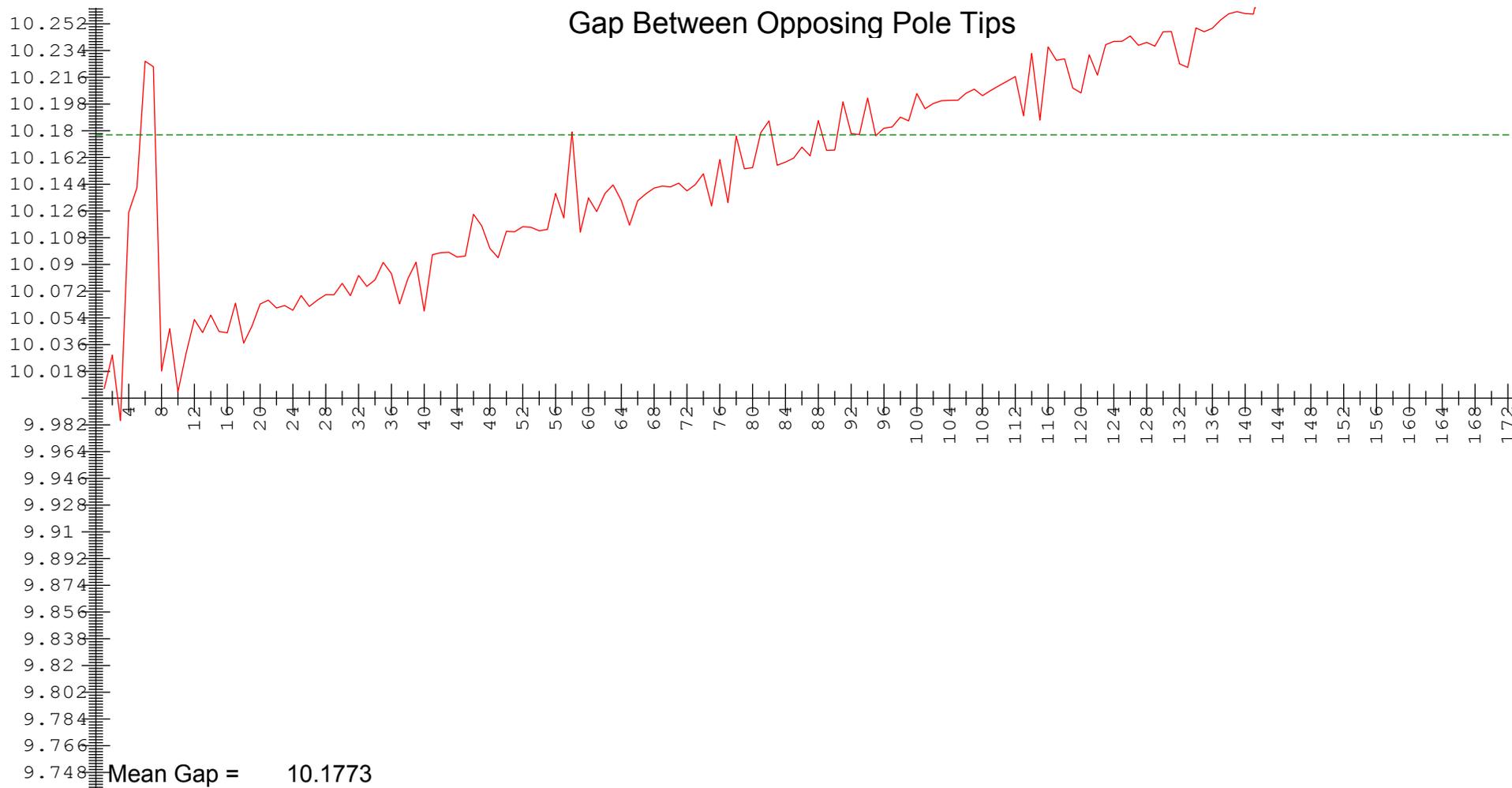
Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3000

16-JAN-2019

S/N = 018

D/S = 0001

Run = 16



Step Between Measured Pole Tips = 1

Dimensions in mm

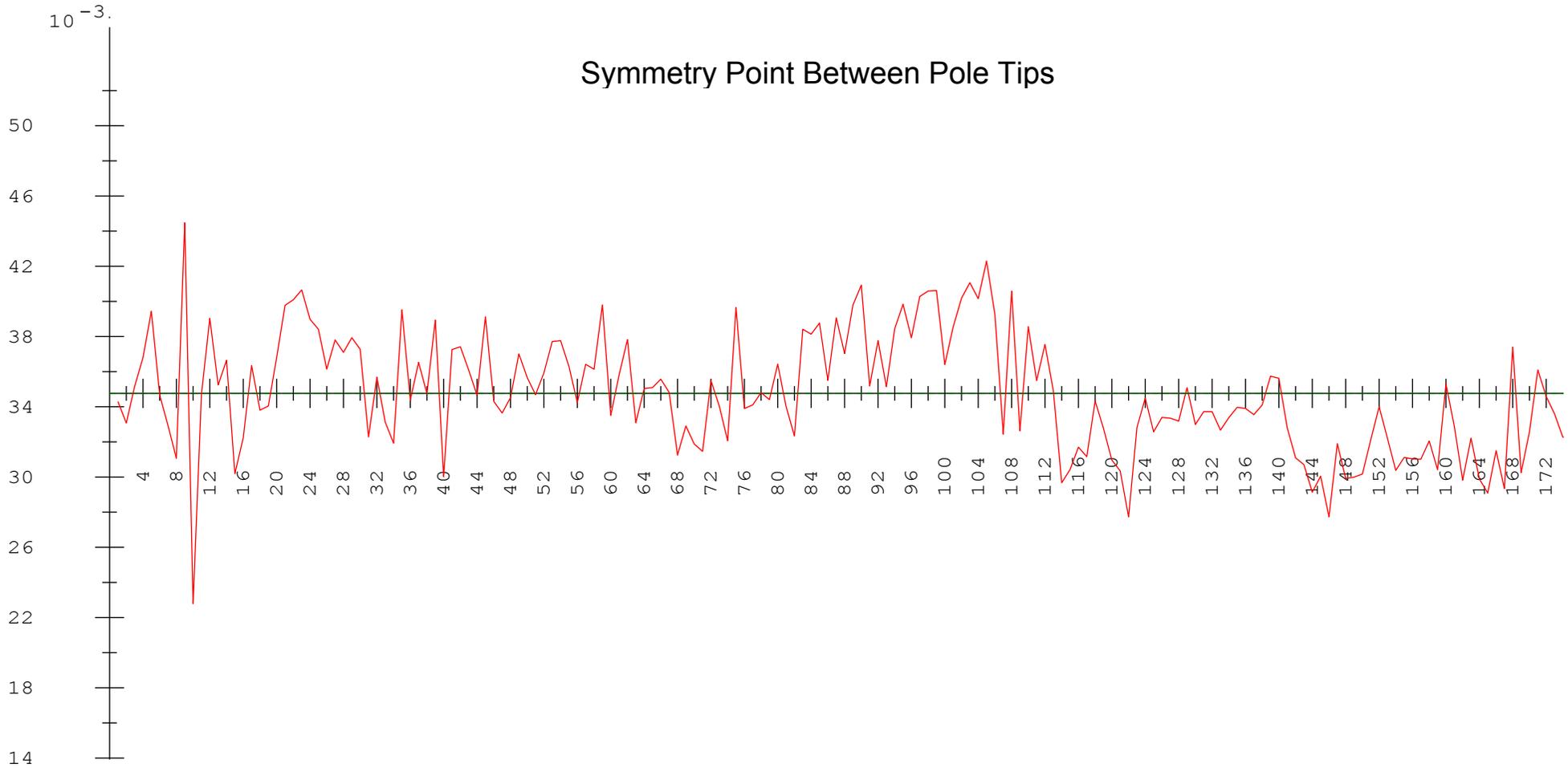


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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0348

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	5.0521	5.0834	5.1625	5.1946
Bottom	-4.9783	-5.0115	-5.0954	-5.1295
Gap	10.0304			10.3241
Taper				0.2937

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1234	-5.0539	10.1773	0.0348

Additional Calculated Values

Bottom Pole #1 Z Value	980.418
Top Jaw Pitch (mrad)	0.042
Bottom Jaw Pitch(mrad)	-0.045
Minimum Effective Gap	9.982
Reference Block Gap	6.811

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