

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 = -0.100
 Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

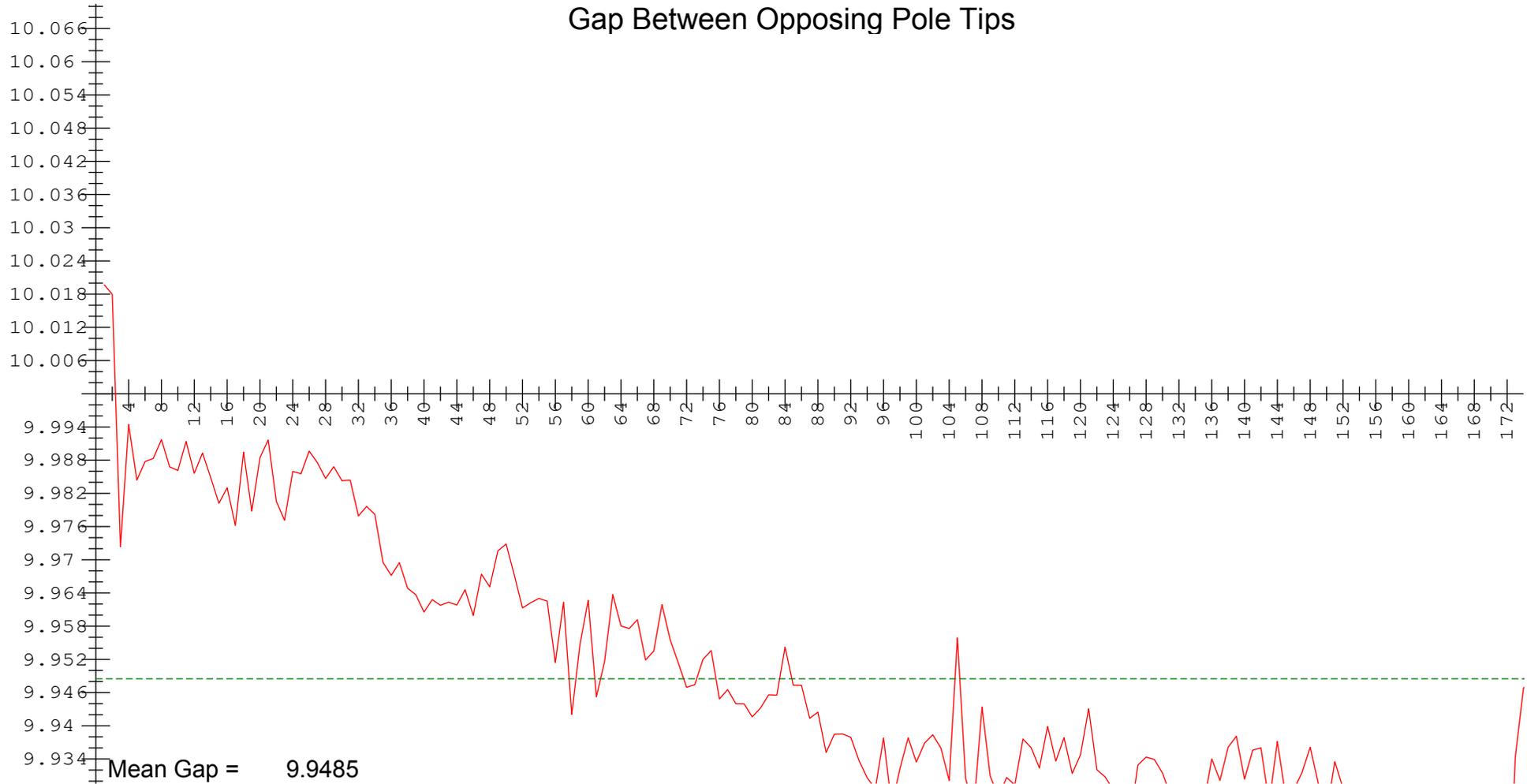
19-APR-2018

S/N = 009

D/S = 0001

Run = 14

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

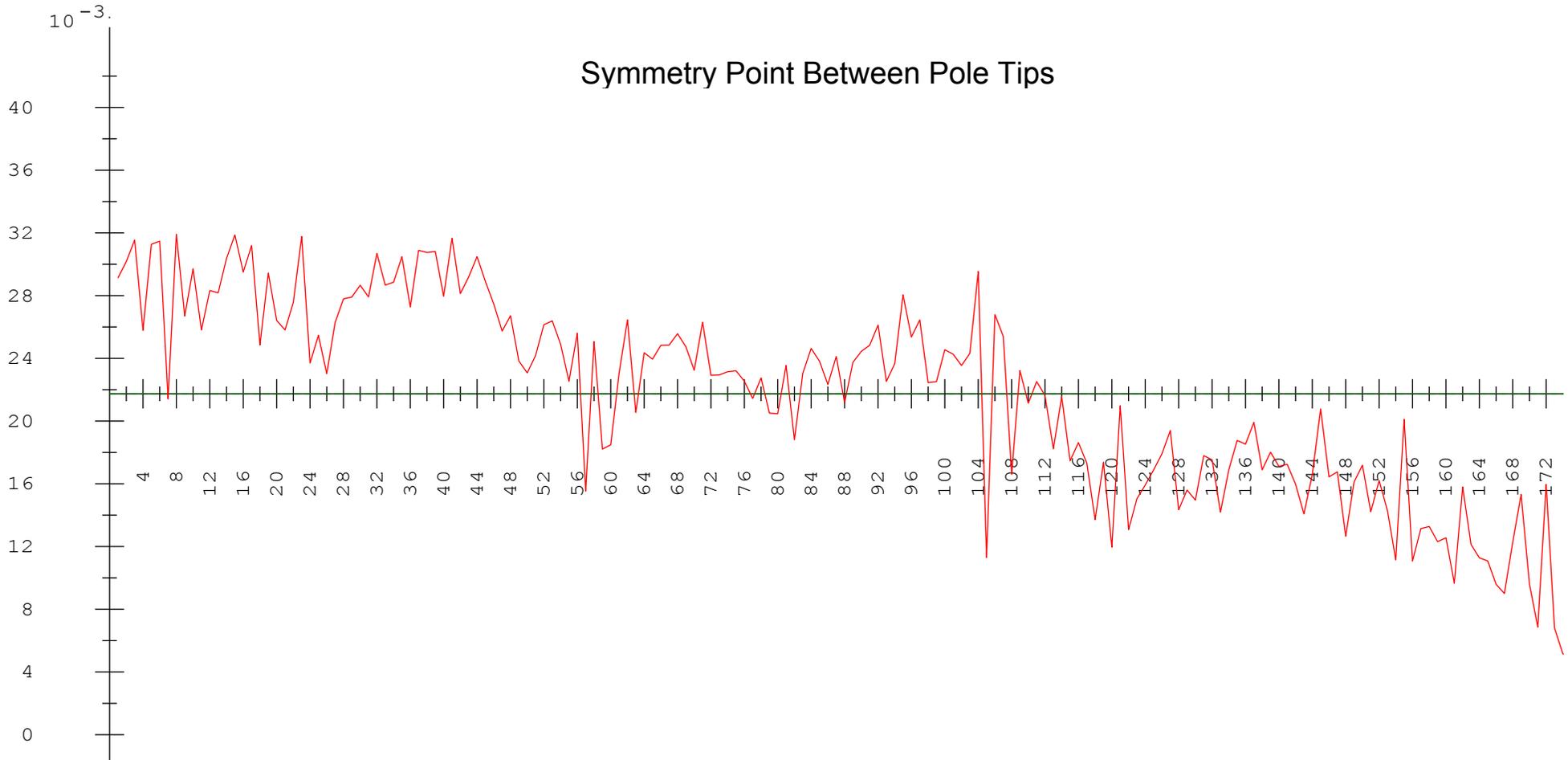


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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0217

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	5.0249	5.0122	4.9801	4.9671
Bottom	-4.9628	-4.9583	-4.9469	-4.9422
Gap	9.9877			9.9093
Taper				-0.0784

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9960	-4.9525	9.9485	0.0217

Additional Calculated Values

Bottom Pole #1 Z Value	979.421
Top Jaw Pitch (mrad)	-0.017
Bottom Jaw Pitch(mrad)	0.006
Minimum Effective Gap	9.894
Reference Block Gap	6.806

Dimensions in mm



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