

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 = 0.000

Gap Reading = 100.0002 US Encoder = 100.0003 DS Encoder = 100.0001

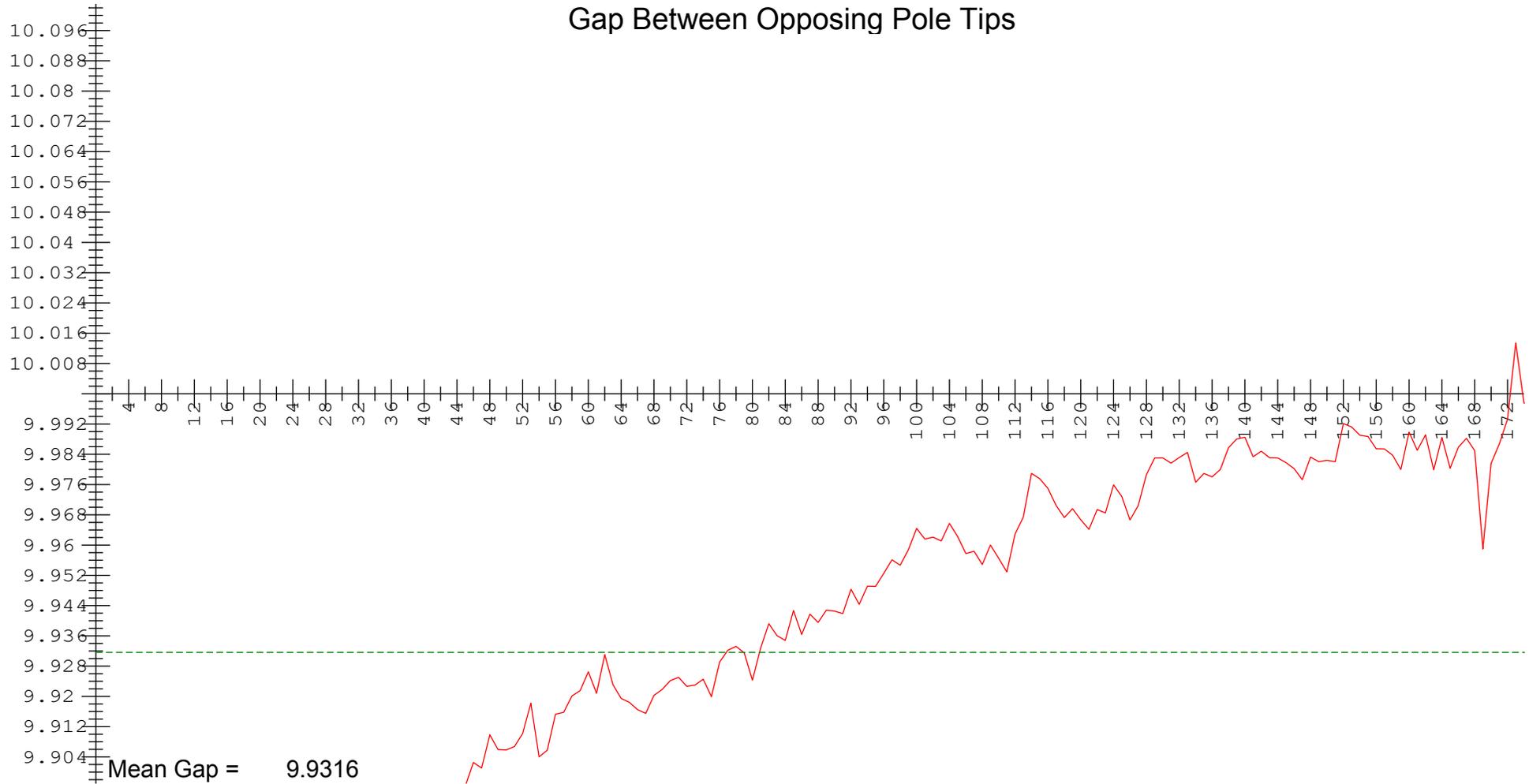
15-MAR-2019

S/N = 022

D/S = 0001

Run = 1

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

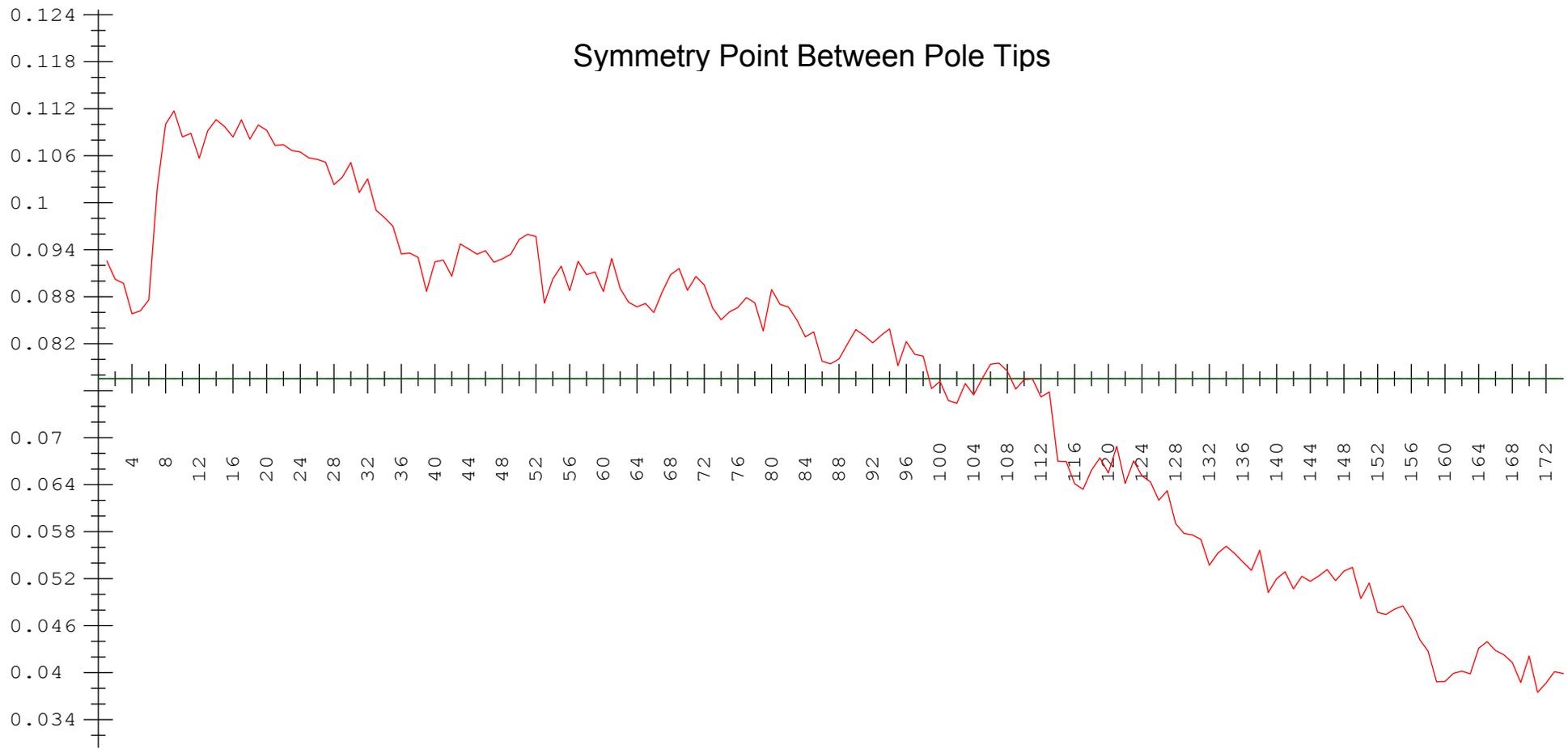
Dimensions in mm



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Mean Symmetry Value = 0.0775

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	5.0370	5.0398	5.0468	5.0497
Bottom	-4.8121	-4.8456	-4.9301	-4.9644
Gap	9.8491			10.0141
Taper				0.1650

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0434	-4.8883	9.9316	0.0775

Additional Calculated Values

Bottom Pole #1 Z Value	980.569
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	-0.045
Minimum Effective Gap	9.810
Reference Block Gap	6.809

Dimensions in mm



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