

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

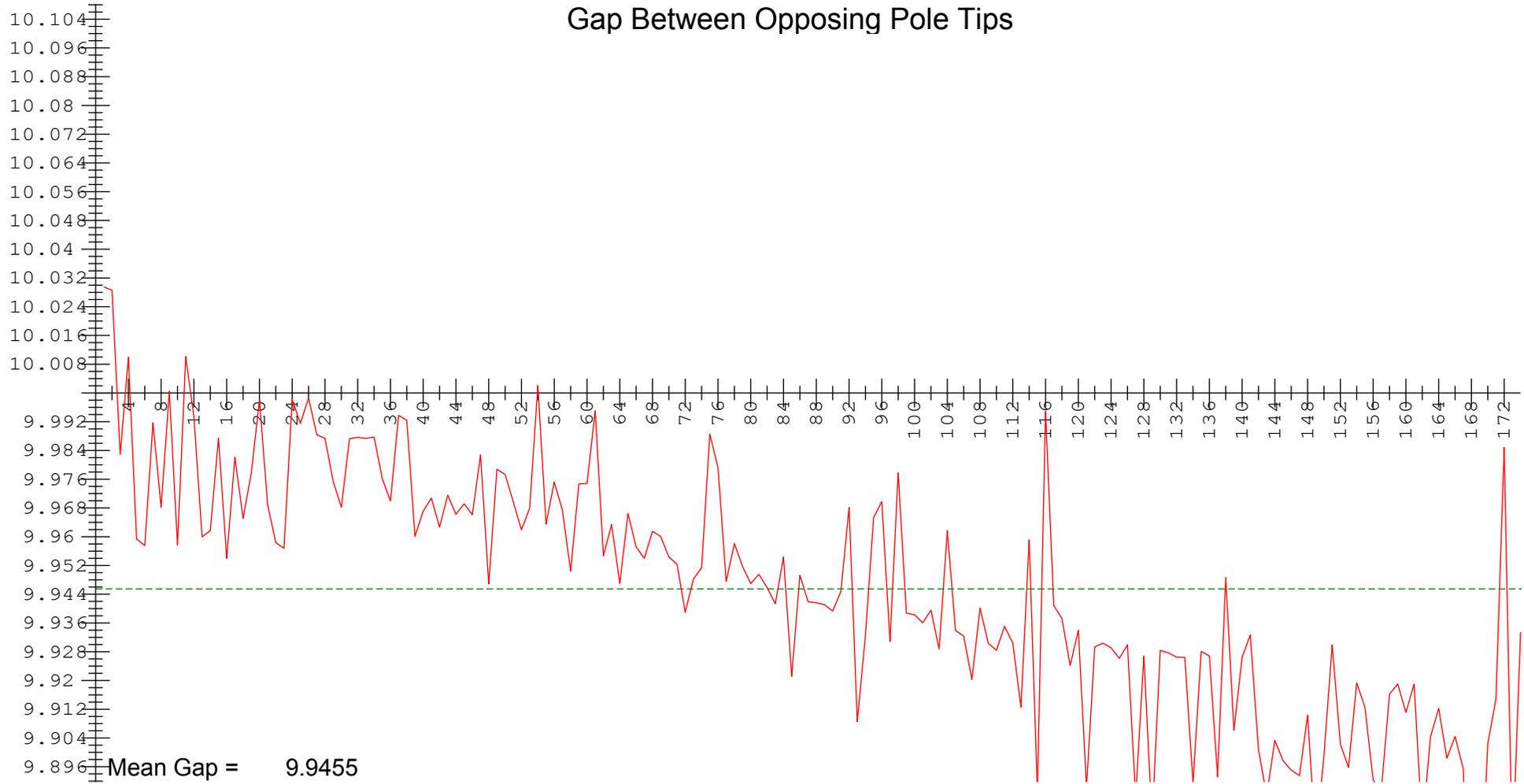
07-MAY-2018

S/N = 009

D/S = 0001

Run = 19

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

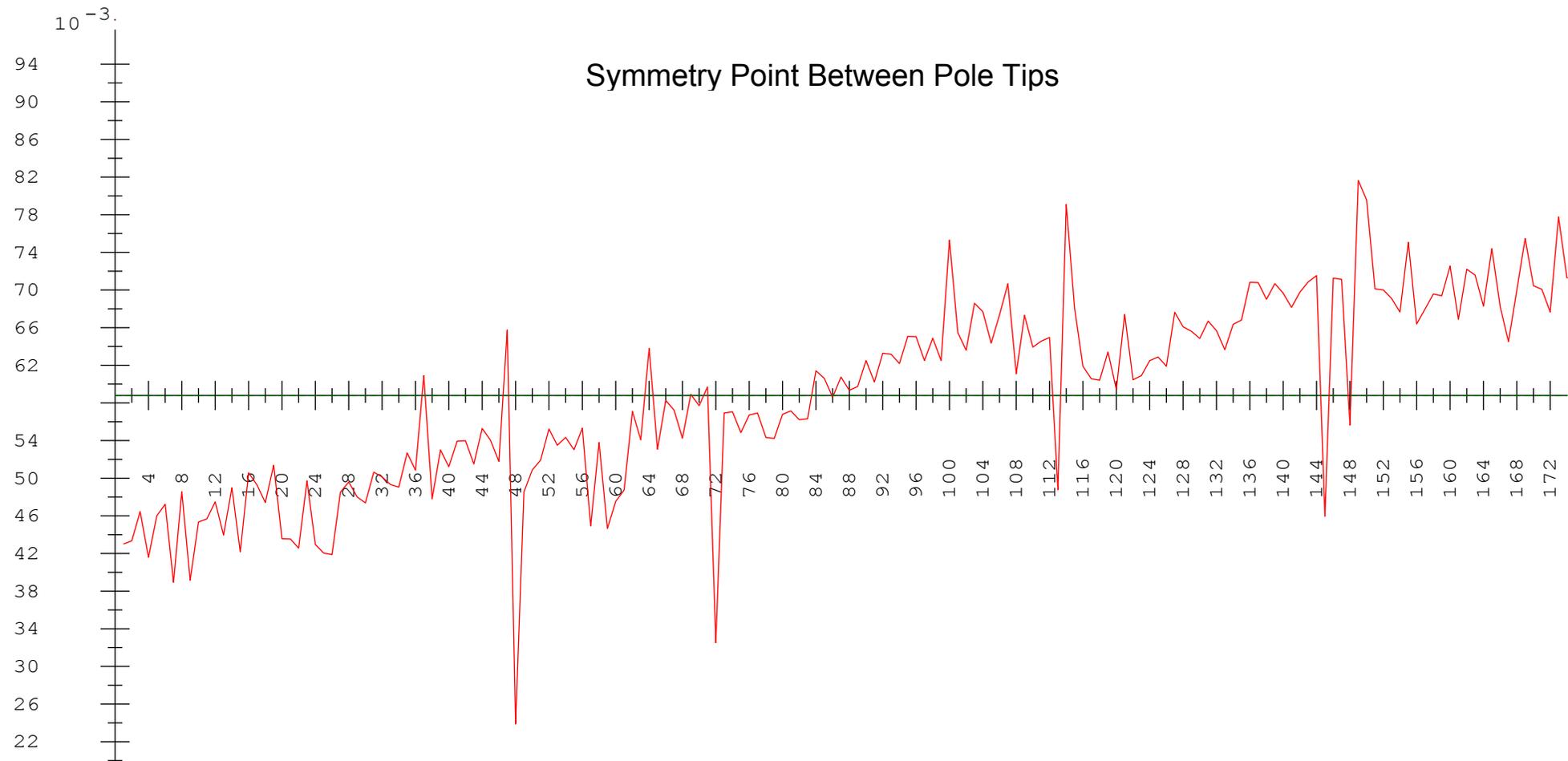
Dimensions in mm



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Mean Symmetry Value = 0.0588

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	5.0415	5.0371	5.0260	5.0215
Bottom	-4.9536	-4.9362	-4.8921	-4.8742
Gap	9.9952			9.8958
Taper				-0.0994

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0315	-4.9139	9.9455	0.0588

Additional Calculated Values

Bottom Pole #1 Z Value	979.386
Top Jaw Pitch (mrad)	-0.006
Bottom Jaw Pitch(mrad)	0.024
Minimum Effective Gap	9.833
Reference Block Gap	6.806

Dimensions in mm



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