

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 = 9.9499 US Encoder = 9.9999 DS Encoder = 9.9000

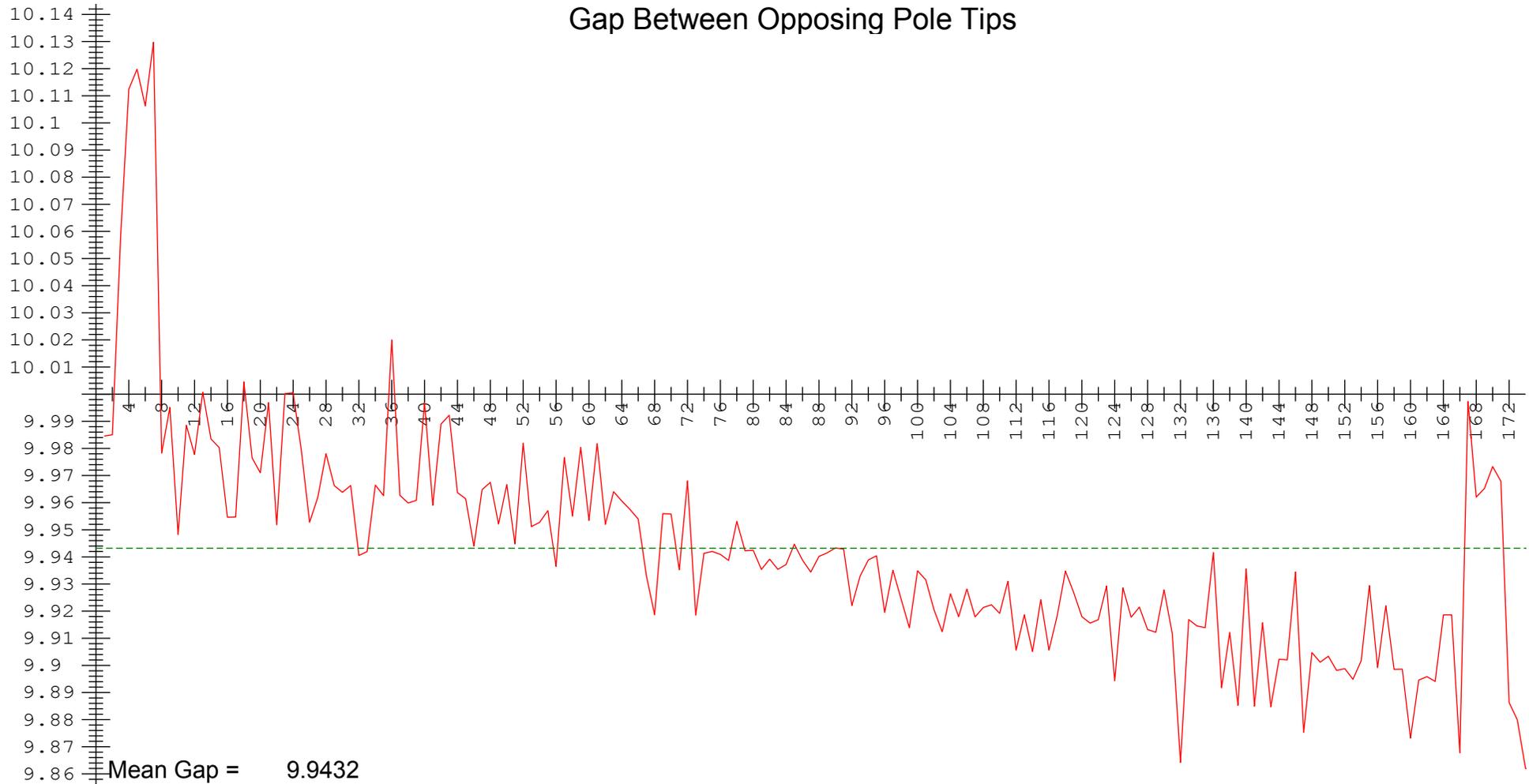
06-FEB-2019

S/N = 019

D/S = 0001

Run = 8

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

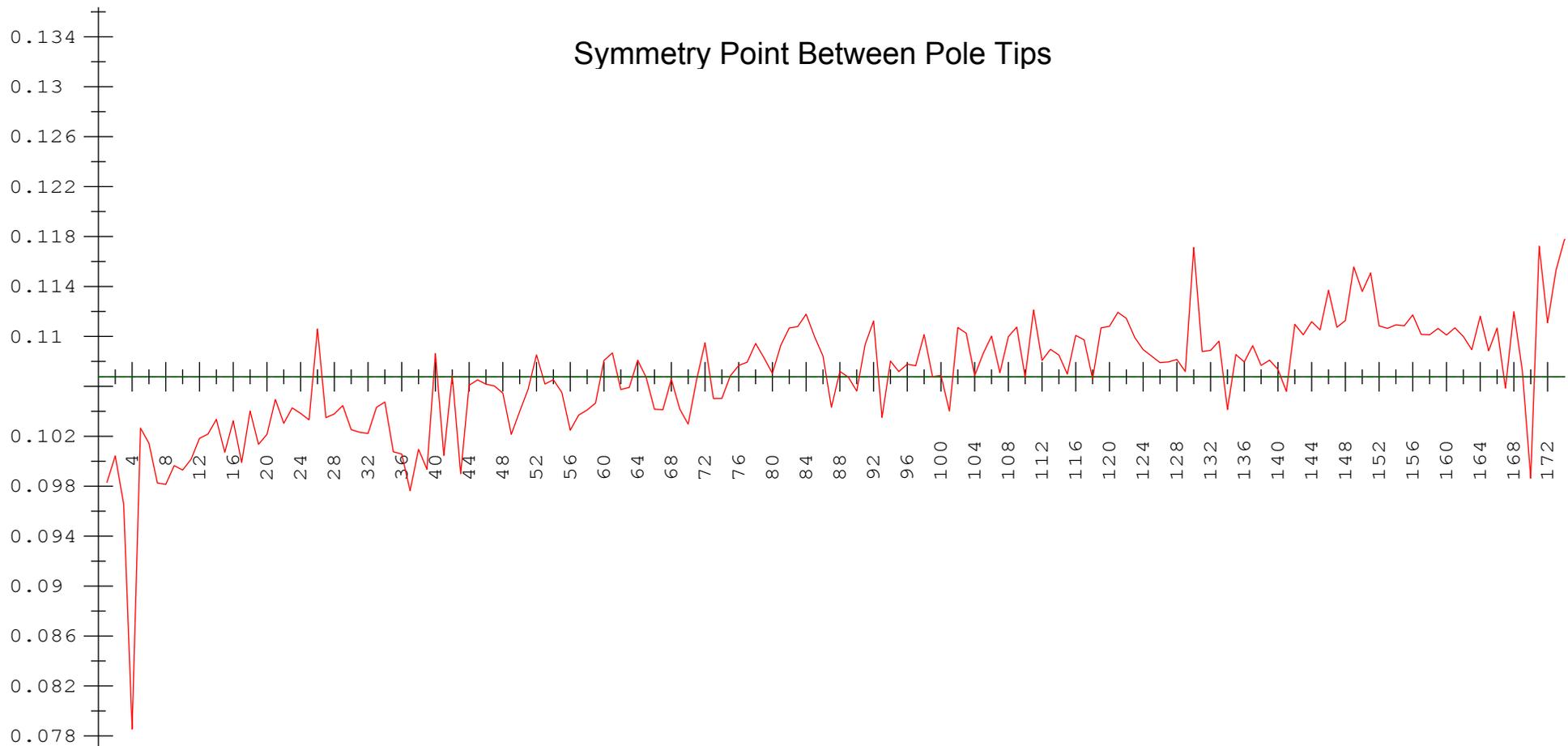
Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
 Gap Reading = 9.9499 US Encoder = 9.9999 DS Encoder = 9.9000

06-FEB-2019
 S/N = 019
 D/S = 0001
 Run = 8



Mean Symmetry Value = 0.1068

Step Between Measured Pole Tips = 1

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
 Gap Reading = 9.9499 US Encoder = 9.9999 DS Encoder = 9.9000

06-FEB-2019
 S/N = 019
 D/S = 0001
 Run = 8

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	5.0995	5.0902	5.0668	5.0572
Bottom	-4.8975	-4.8832	-4.8469	-4.8322
Gap	9.9970			9.8894
Taper				-0.1076

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0784	-4.8648	9.9432	0.1068

Additional Calculated Values

Bottom Pole #1 Z Value	980.242
Top Jaw Pitch (mrad)	-0.013
Bottom Jaw Pitch(mrad)	0.019
Minimum Effective Gap	9.854
Reference Block Gap	6.809

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
 Gap Reading = 9.9499 US Encoder = 9.9999 DS Encoder = 9.9000

06-FEB-2019
 S/N = 019
 D/S = 0001
 Run = 8