

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 7

Regression Line Through Points =

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 9

Nominal Taper = 0.000

Gap Reading = 9.0000

US Encoder = 9.0000

DS Encoder = 9.0000

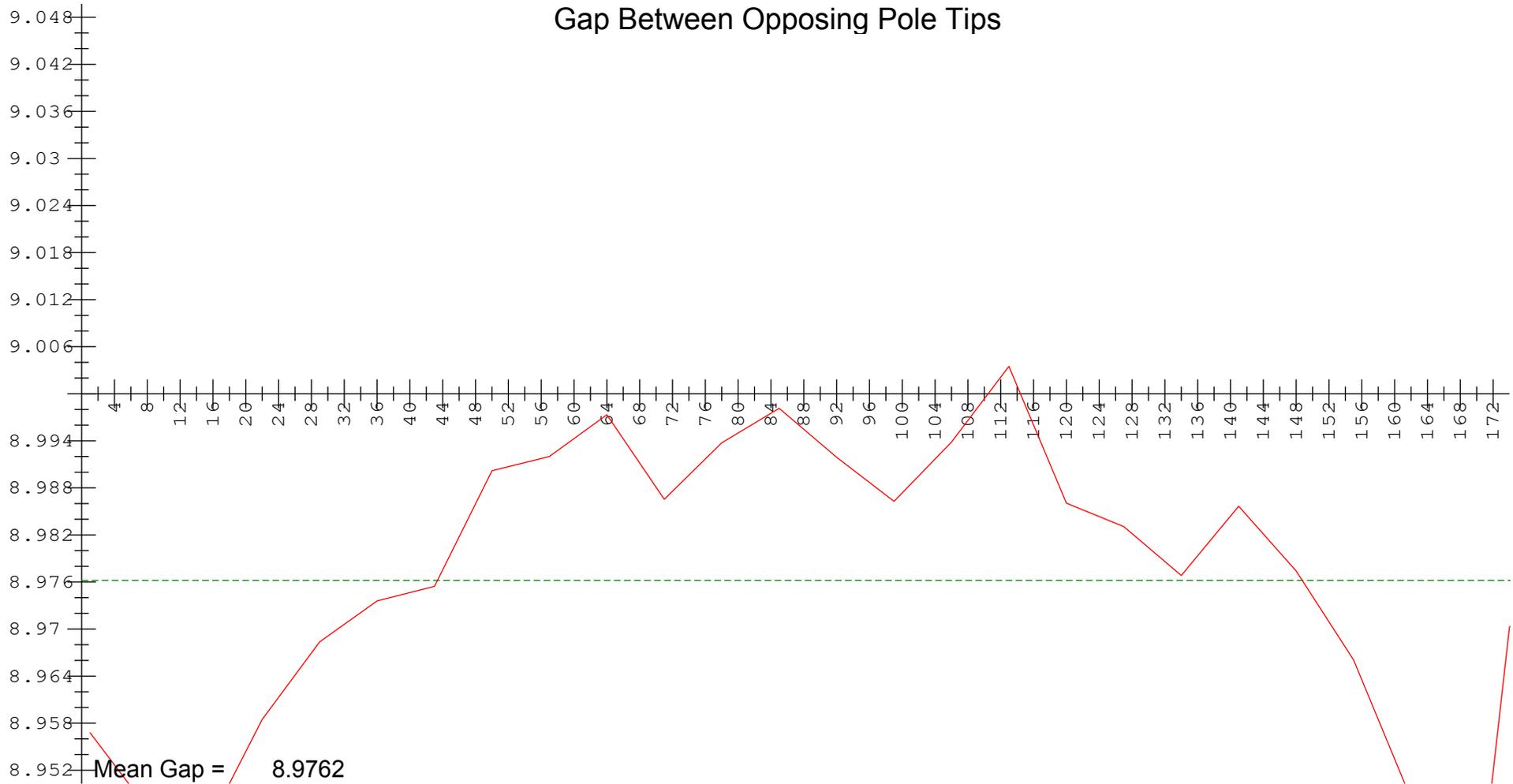
11-FEB-2019

S/N = 020

D/S = 0001

Run = 3

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

Dimensions in mm

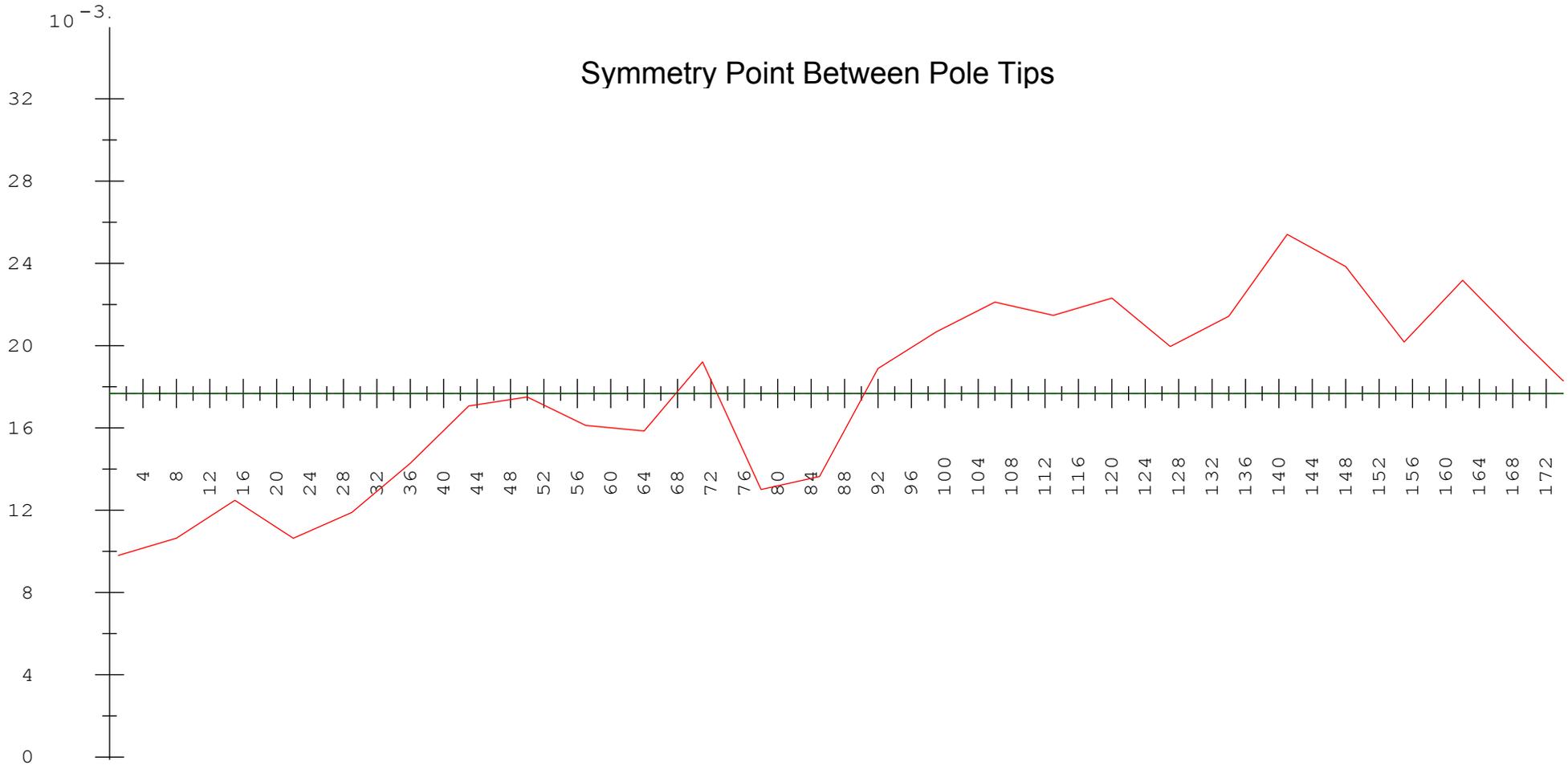


LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
 Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

11-FEB-2019
 S/N = 020
 D/S = 0001
 Run = 3

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0177

Step Between Measured Pole Tips = 7

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
 Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

11-FEB-2019
 S/N = 020
 D/S = 0001
 Run = 3

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	4.4989	4.5018	4.5093	4.5124
Bottom	-4.4758	-4.4734	-4.4674	-4.4649
Gap	8.9746			8.9773
Taper				0.0027

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.5058	-4.4704	8.9762	0.0177

Additional Calculated Values

Bottom Pole #1 Z Value	980.504
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	0.003
Minimum Effective Gap	8.924
Reference Block Gap	6.811

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
 Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

11-FEB-2019
 S/N = 020
 D/S= 0001
 Run= 3