

Minimum Effective Gap = 9.876

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points =

Dimensions in mm



LCLS II - SXR Undulator

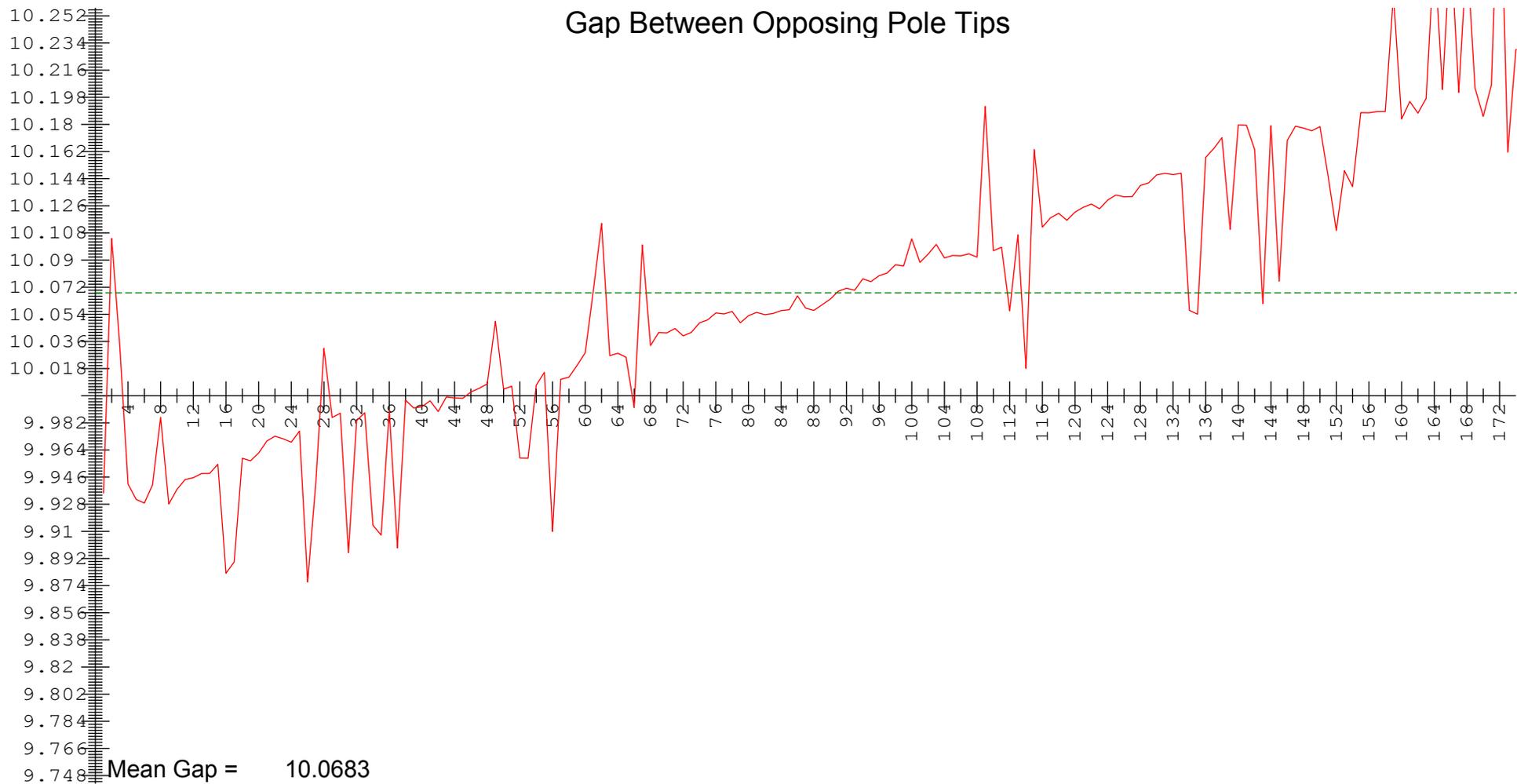
Nominal Gap = 10 Nominal Taper = 0.300
 Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3000

08-MAR-2019

S/N = 001

D/S = 0005

Run = 3



Step Between Measured Pole Tips = 1

Dimensions in mm

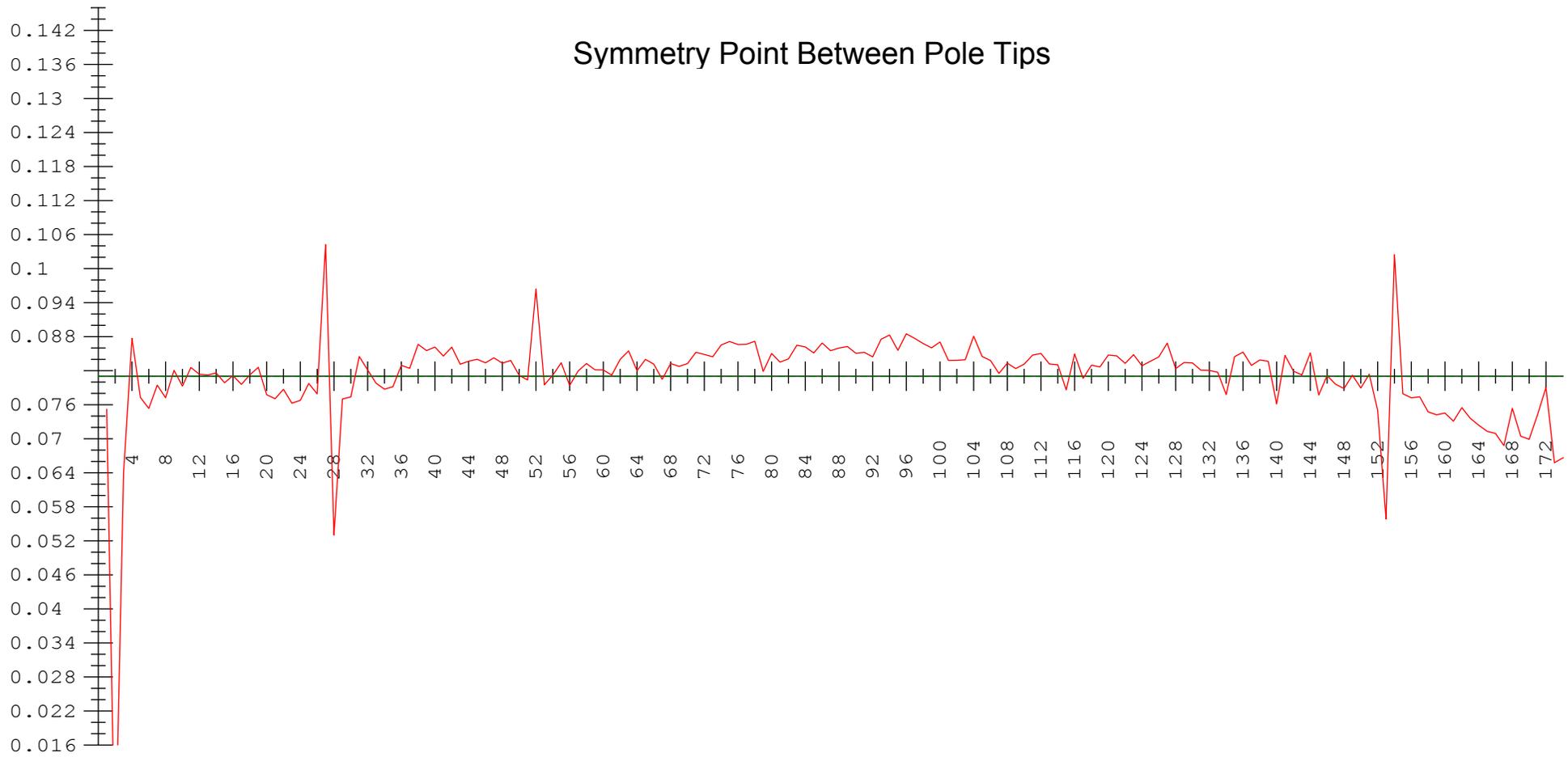


LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300
 Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3000

08-MAR-2019
 S/N = 001
 D/S = 0005
 Run = 3

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0810

Step Between Measured Pole Tips = 1

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300
 Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3000

08-MAR-2019
 S/N = 001
 D/S = 0005
 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	5.0430	5.0747	5.1548	5.1873
Bottom	-4.8803	-4.9123	-4.9931	-5.0259
Gap	9.9233			10.2132
Taper				0.2899

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1152	-4.9531	10.0683	0.0810

Additional Calculated Values

Bottom Pole #1 Z Value	980.300
Top Jaw Pitch (mrad)	0.043
Bottom Jaw Pitch(mrad)	-0.043
Minimum Effective Gap	9.876
Reference Block Gap	6.806

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300
 Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3000

08-MAR-2019
 S/N = 001
 D/S= 0005
 Run= 3