

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 30

Regression Line Through Points =

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

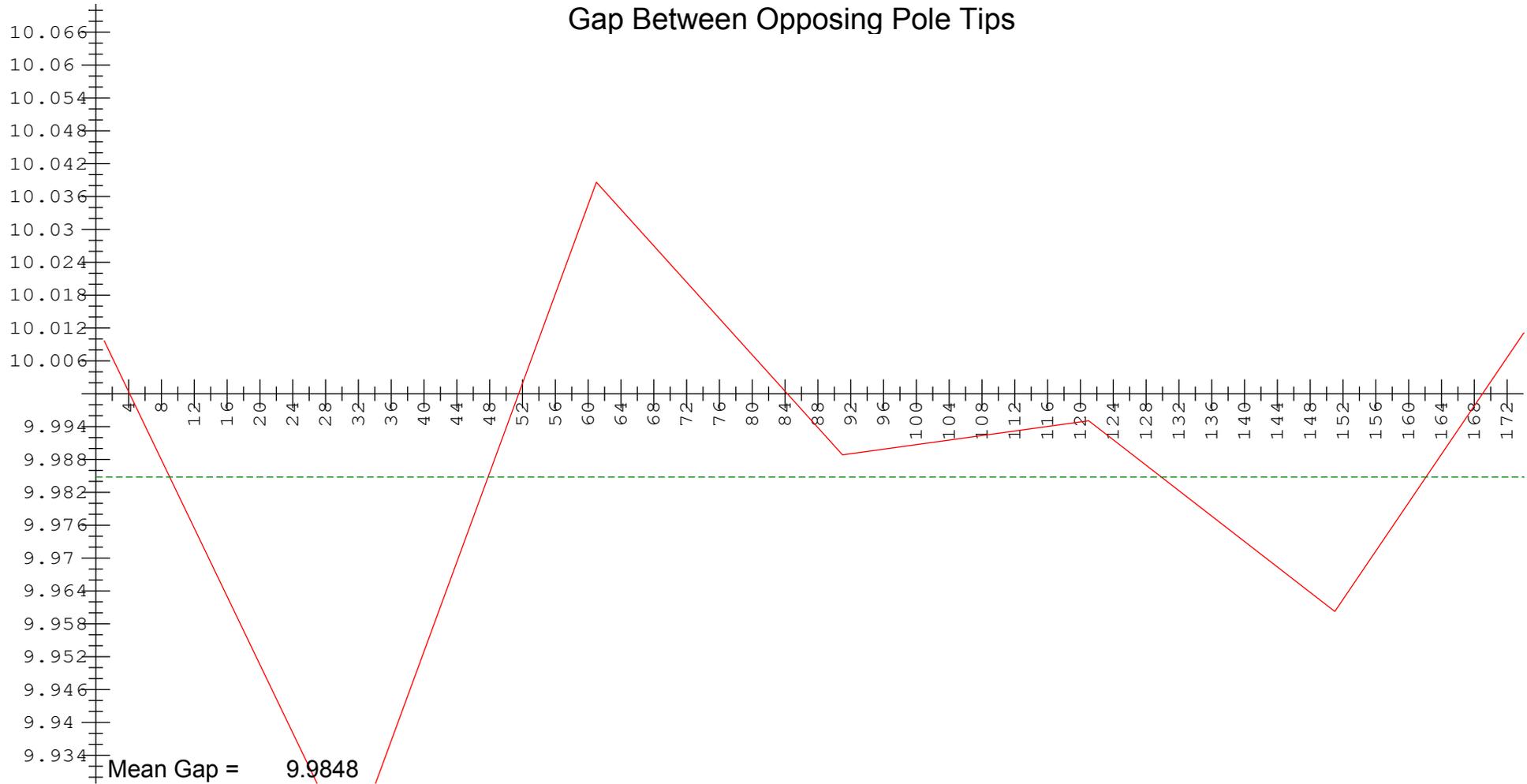
08-AUG-2019

S/N = 001

D/S = 0007

Run = 33

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 30

Dimensions in mm

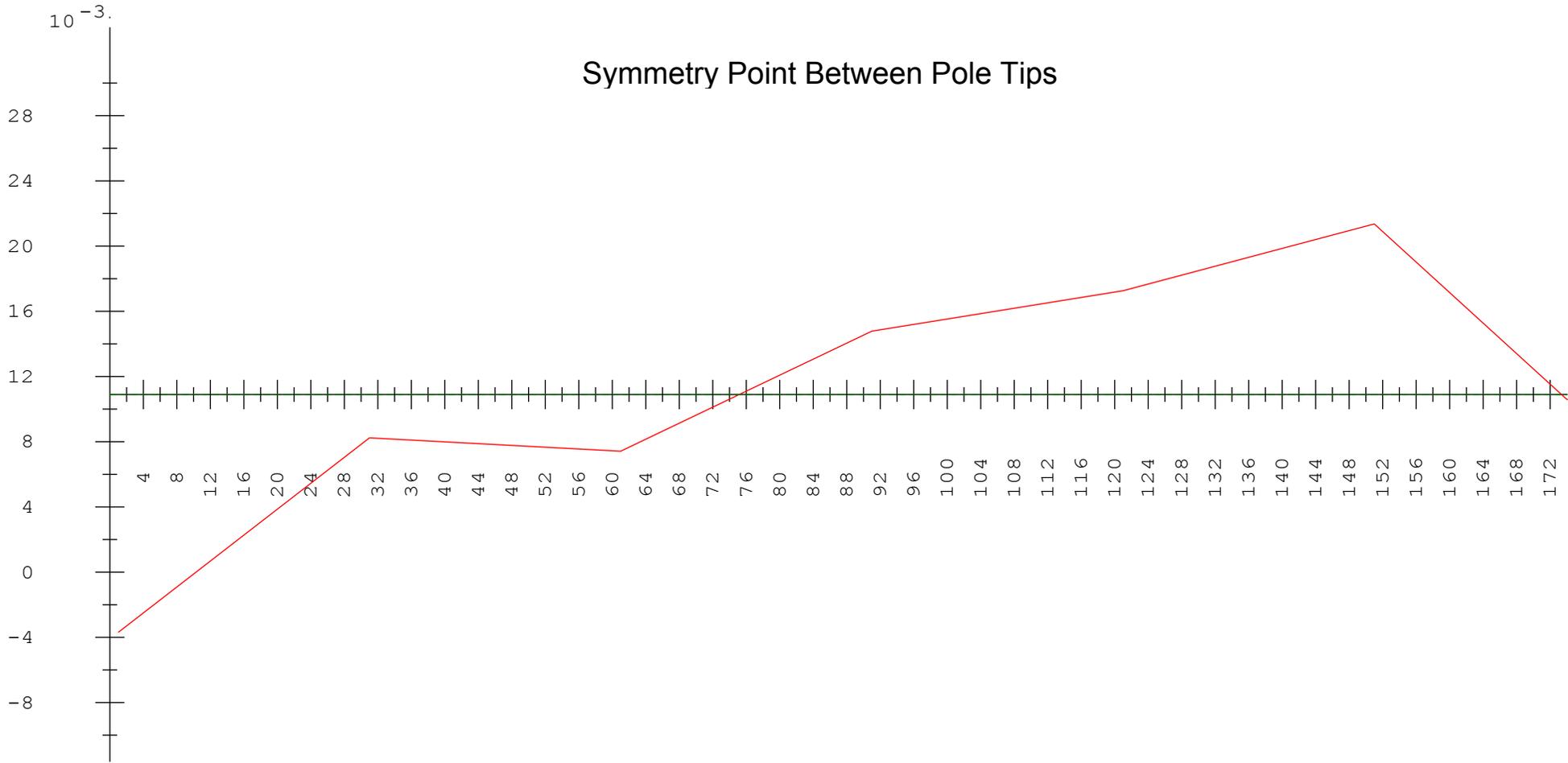


LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

08-AUG-2019
 S/N = 001
 D/S = 0007
 Run = 33

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0109

Step Between Measured Pole Tips = 30

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

08-AUG-2019
 S/N = 001
 D/S = 0007
 Run = 33

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	4.9939	4.9987	5.0108	5.0157
Bottom	-4.9898	-4.9871	-4.9802	-4.9774
Gap	9.9837			9.9931
Taper				0.0093

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0033	-4.9815	9.9848	0.0109

Additional Calculated Values

Bottom Pole #1 Z Value	980.086
Top Jaw Pitch (mrad)	0.006
Bottom Jaw Pitch(mrad)	0.004
Minimum Effective Gap	9.916
Reference Block Gap	6.805

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

08-AUG-2019
 S/N = 001
 D/S = 0007
 Run = 33