Top Jaw Pole Tips

Y Value

Mean TOP = 5.1210   Regression Line Ang. (mrad) = 0.0030

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.965

Y Value

Mean BTM = -4.8735   Regression Line Ang. (mrad) = 0.0063
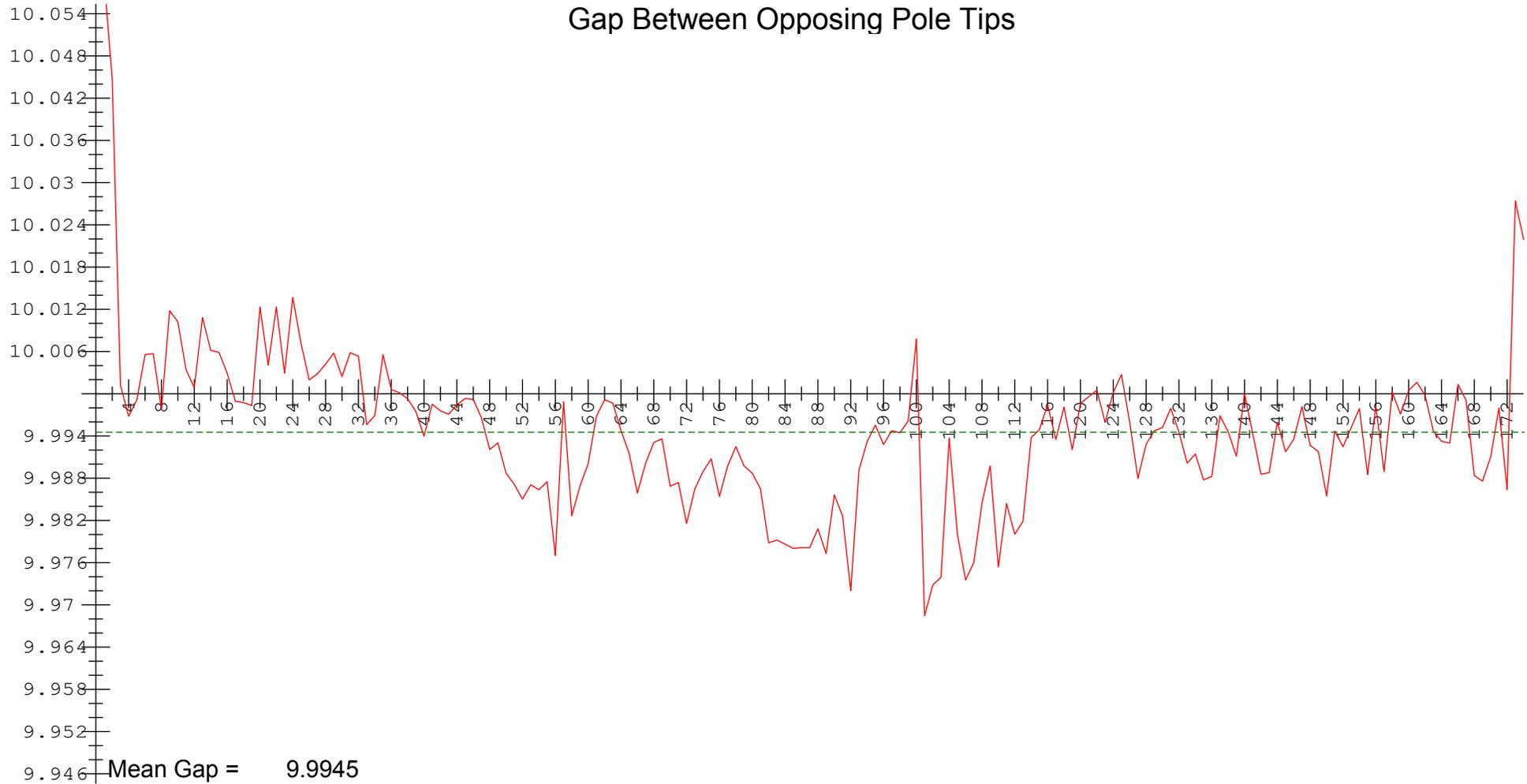
Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points =
Dimensions in mm

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

29-MAR-2018
S/N = 008
D/S = 0001
Run = 10

Gap Between Opposing Pole Tips

Mean Gap =   9.9945

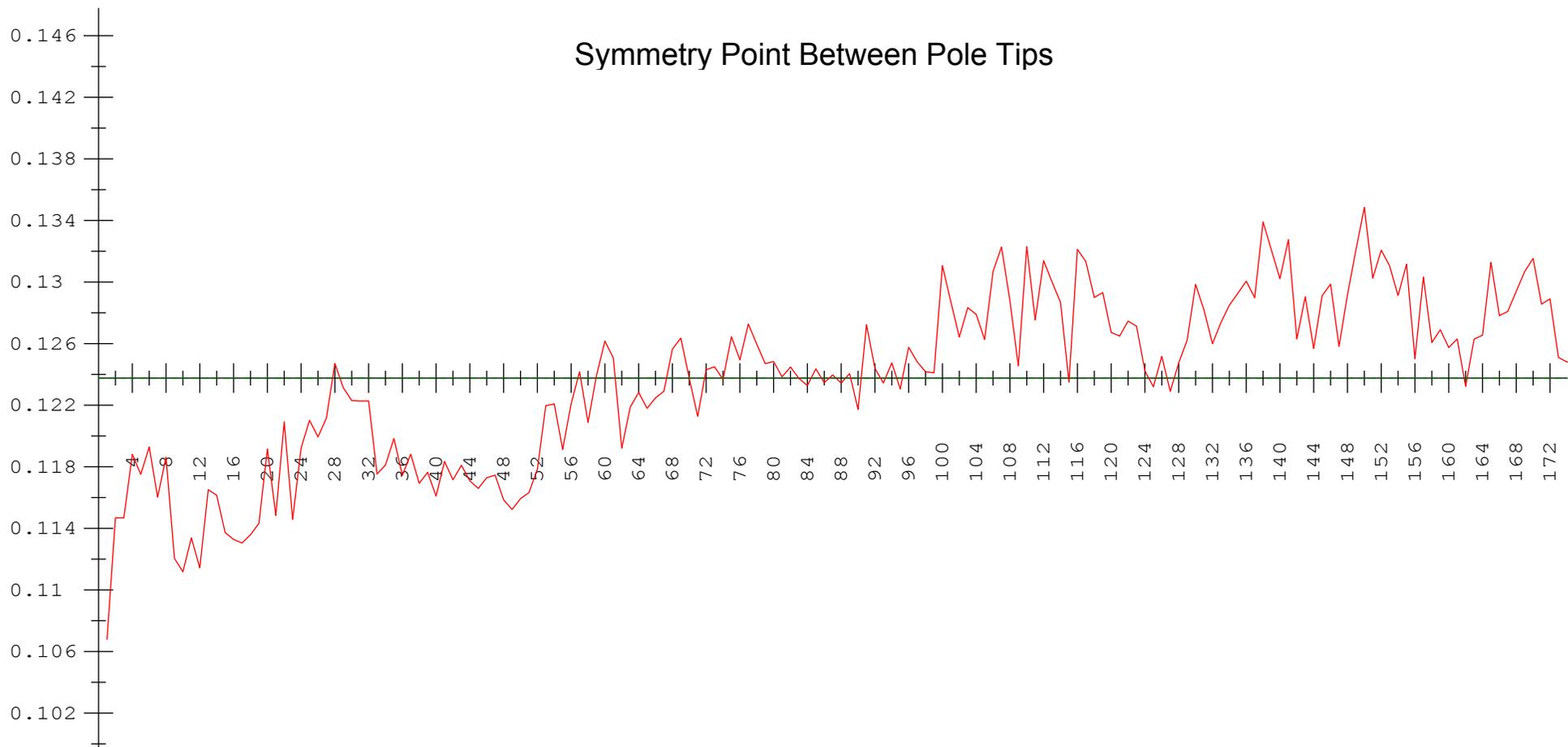Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

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METROLOGY

29-MAR-2018
S/N =   008
D/S=   0001
Run=   10

Symmetry Point Between Pole Tips

Mean Symmetry Value = 0.1238

Step Between Measured Pole Tips = 1

Dimensions in mm

	LCLS II - SXR Undulator	29-MAR-2018
SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY	Nominal Gap = 10 Nominal Taper = 0	S/N = 008
	Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000	D/S= 0001
		Run= 10

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	5.1160	5.1182	5.1238	5.1261
Bottom	-4.8841	-4.8795	-4.8677	-4.8629
Gap	10.0001			9.9890
Taper				-0.0111

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1210	-4.8735	9.9945	0.1238

Additional Calculated Values

Bottom Pole #1 Z Value	979.390
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	0.006
Minimum Effective Gap	9.965
Reference Block Gap	6.803

Dimensions in mm

SLAC
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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

29-MAR-2018
S/N = 008
D/S= 0001
Run= 10