Top Jaw Pole Tips

Y Dev. from Mean

Mean TOP = 5.0224   Regression Line Ang. (mrad) = 0.0005

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 10.038

Y Dev. from Mean

Mean BTM = -5.0467   Regression Line Ang. (mrad) = 0.0009

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points =

Dimensions in mm

SLAC
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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
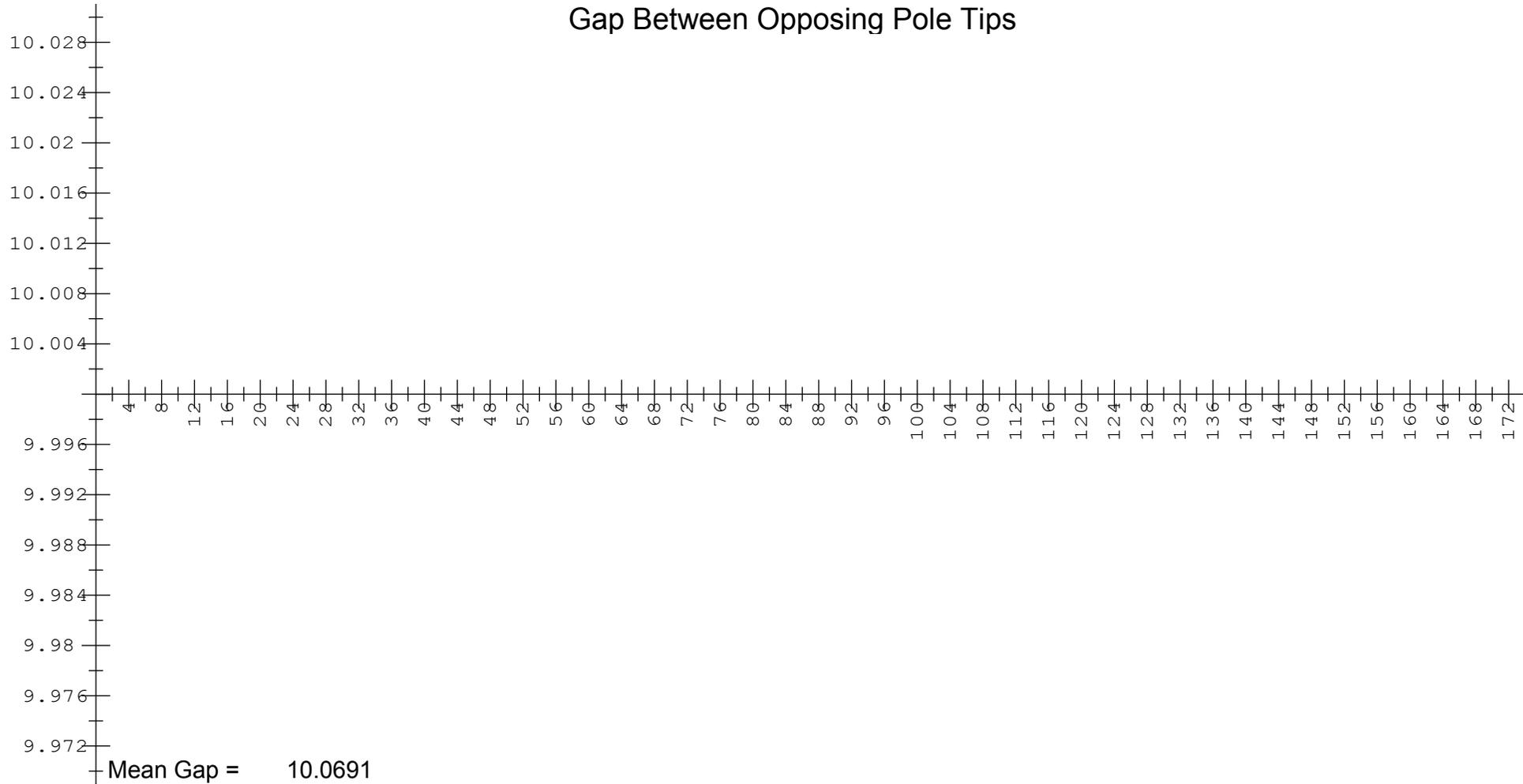Gap Reading = 10.0000   US Encoder = 10.0001   DS Encoder = 10.0000

08-APR-2019
S/N = 002
D/S = 0001
Run= 9

Gap Between Opposing Pole Tips

Mean Gap =   10.0691

Step Between Measured Pole Tips =   1

Dimensions in mm

SLAC
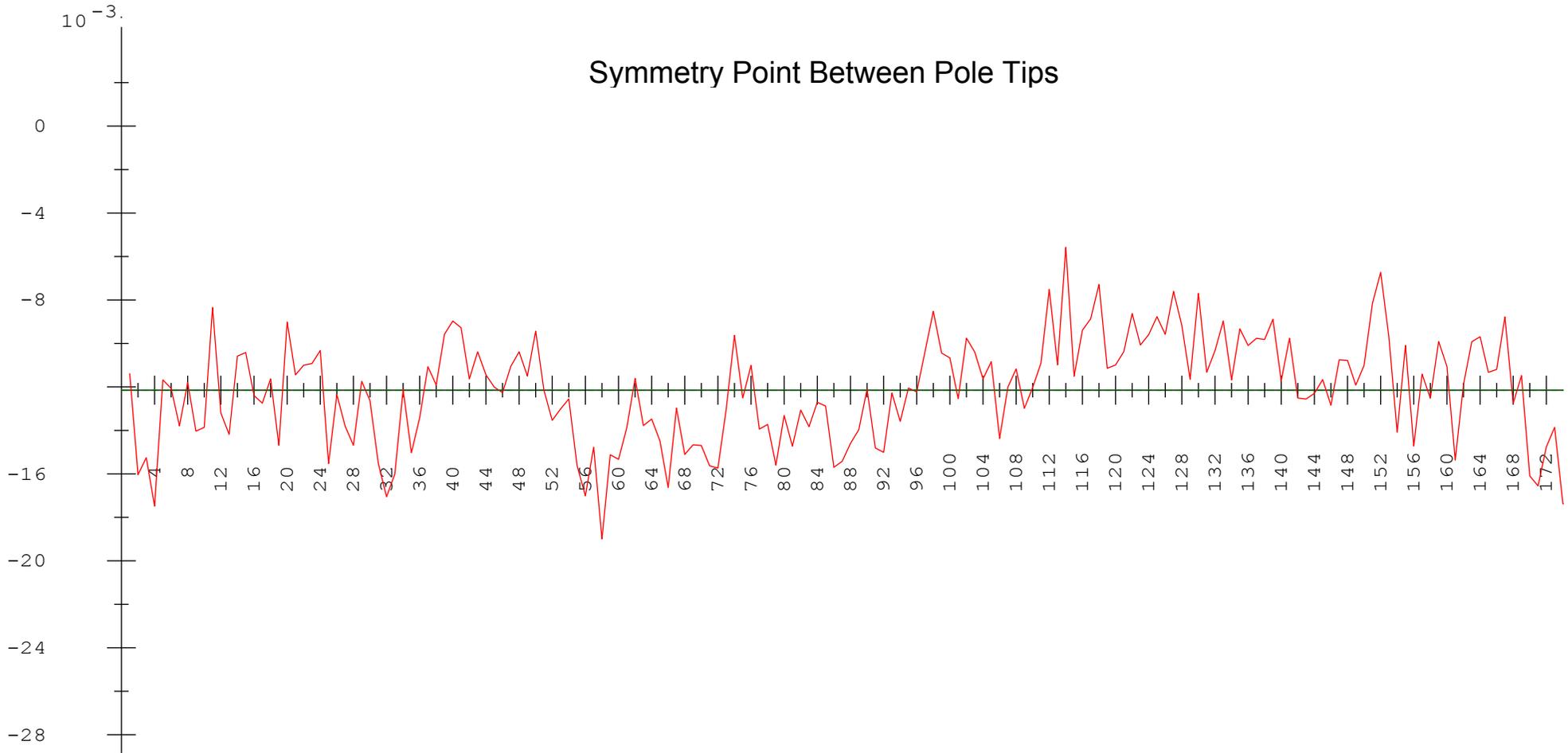NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 10.0000   US Encoder = 10.0001   DS Encoder = 10.0000

08-APR-2019
S/N =   002
D/S=   0001
Run=   9

Symmetry Point Between Pole Tips

Mean Symmetry Value =   -0.0121

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

Gap Reading = 10.0000   US Encoder = 10.0001   DS Encoder = 10.0000

08-APR-2019
S/N =   002
D/S=   0001
Run=   9

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	5.0216	5.0220	5.0228	5.0232
Bottom	-5.0482	-5.0475	-5.0459	-5.0452
Gap	10.0698			10.0684
Taper				-0.0014

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0224	-5.0467	10.0691	-0.0121

Additional Calculated Values

Bottom Pole #1 Z Value	980.303
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	10.038
Reference Block Gap	6.810

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 10.0000   US Encoder = 10.0001   DS Encoder = 10.0000

08-APR-2019
S/N = 002
D/S= 0001
Run= 9