Top Jaw Pole Tips

10^{-3}

Y Dev. from Mean

Mean TOP =   5.0010   Regression Line Ang. (mrad) =   0.0056

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   9.941

Bottom Jaw Pole Tips

10^{-3}

Y Dev. from Mean

Mean BTM =   -4.9813   Regression Line Ang. (mrad) =   0.0081

Y Value Scales Centered on Mean Values   Regression Line Through Points =————
Step Between Measured Pole Tips =   1   Dimensions in mm

SLAC
NATIONAL ACCELERATOR LABORATORY
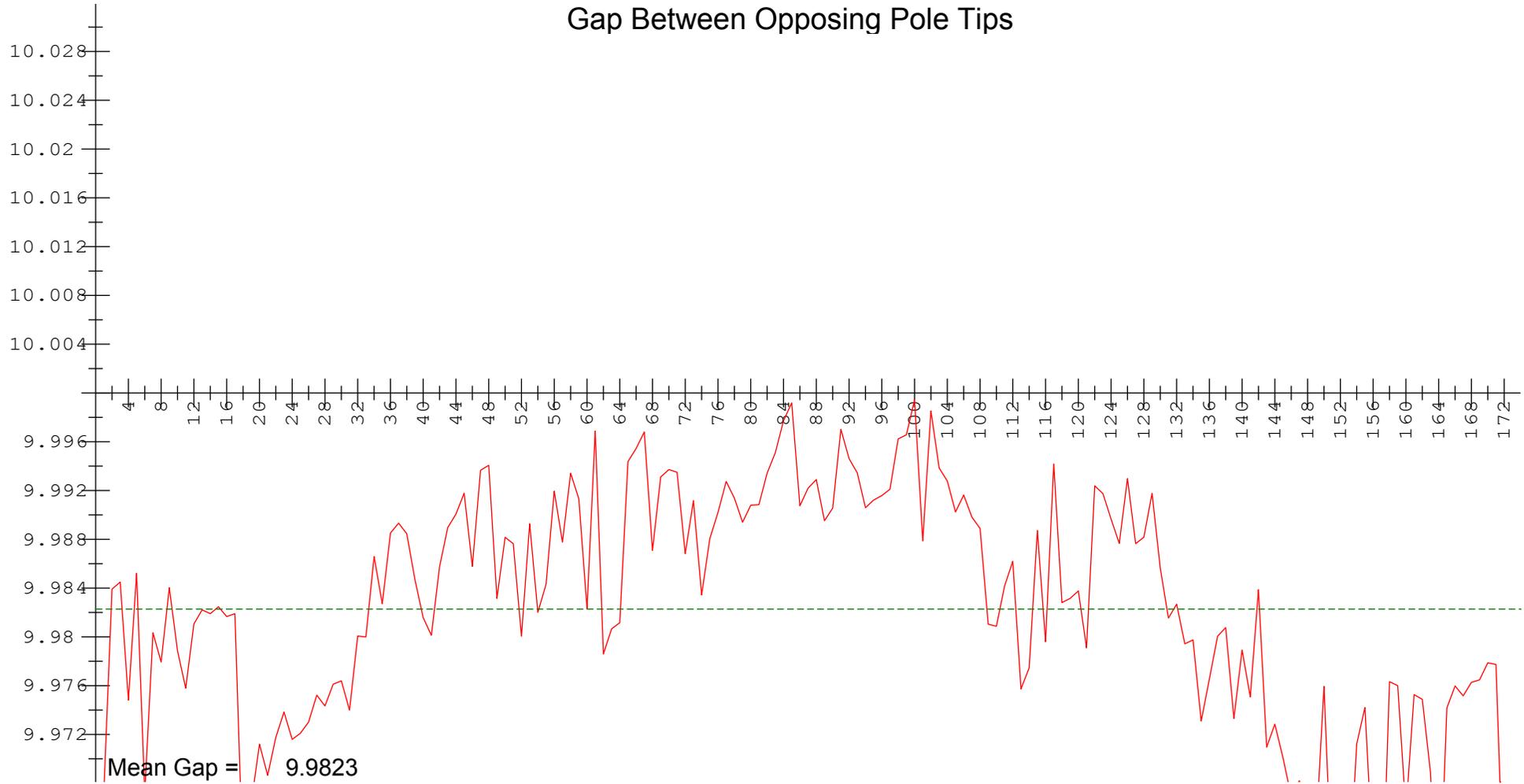METROLOGY

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

22-AUG-2018
S/N =   014
D/S=   0001
Run=   15

Gap Between Opposing Pole Tips
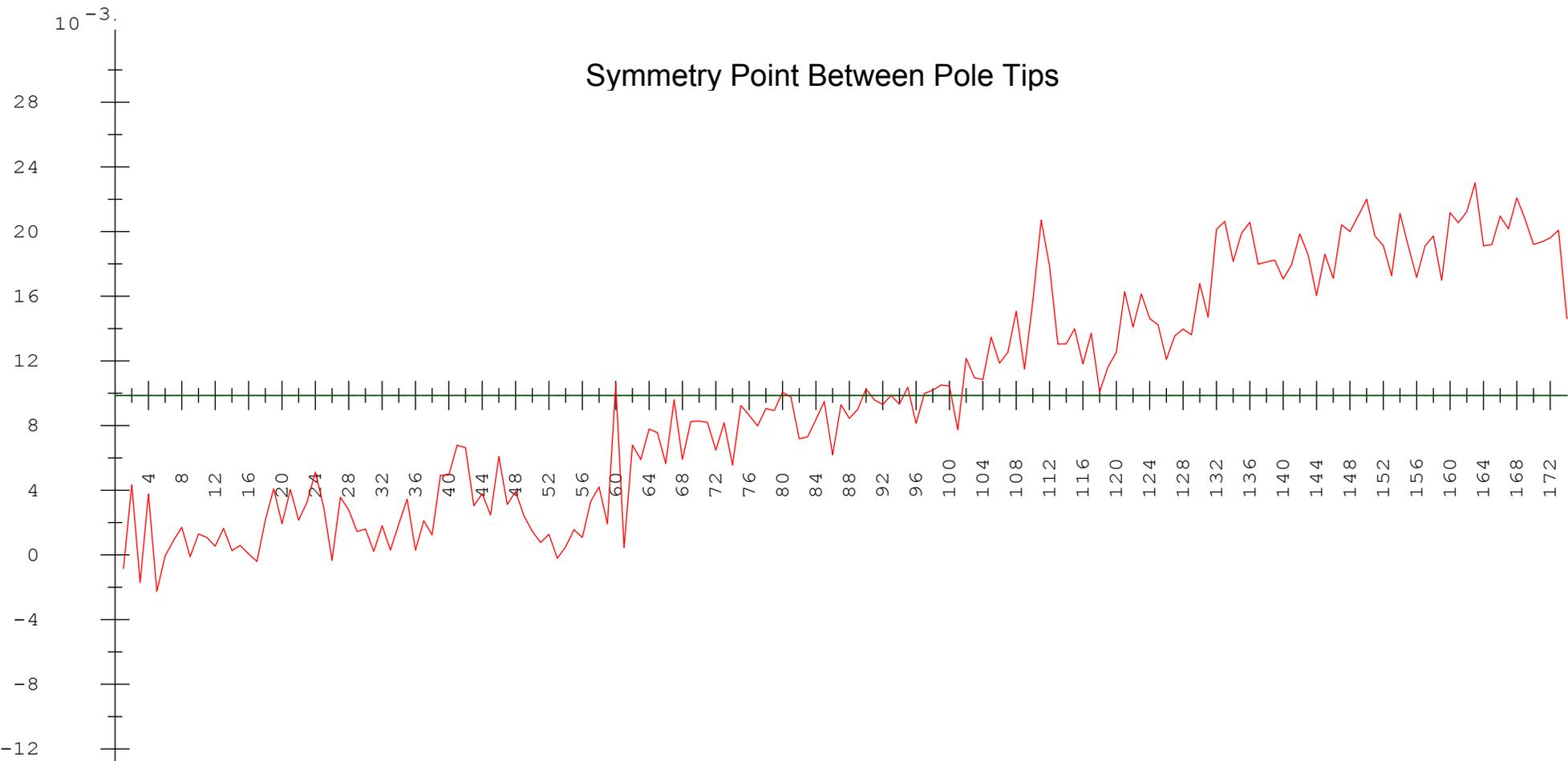
Mean Gap = 9.9823

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 = 10.0000   DS Encoder = 10.0000

22-AUG-2018
S/N = 014
D/S = 0001
Run = 15

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0099

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 = 10.0000   DS Encoder = 10.0000

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

22-AUG-2018
S/N =   014
D/S=   0001
Run=   15

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	4.9915	4.9957	5.0062	5.0105
Bottom	-4.9949	-4.9889	-4.9738	-4.9677
Gap	9.9864			9.9782
Taper				-0.0082

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0010	-4.9813	9.9823	0.0099

Additional Calculated Values

Bottom Pole #1 Z Value	979.941
Top Jaw Pitch (mrad)	0.006
Bottom Jaw Pitch(mrad)	0.008
Minimum Effective Gap	9.941
Reference Block Gap	6.806

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 = 10.0000   DS Encoder = 10.0000

22-AUG-2018
S/N = 014
D/S= 0001
Run= 15