Top Jaw Pole Tips

Mean TOP = 5.0389   Regression Line Ang. (mrad) = 0.0035

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap = 9.972

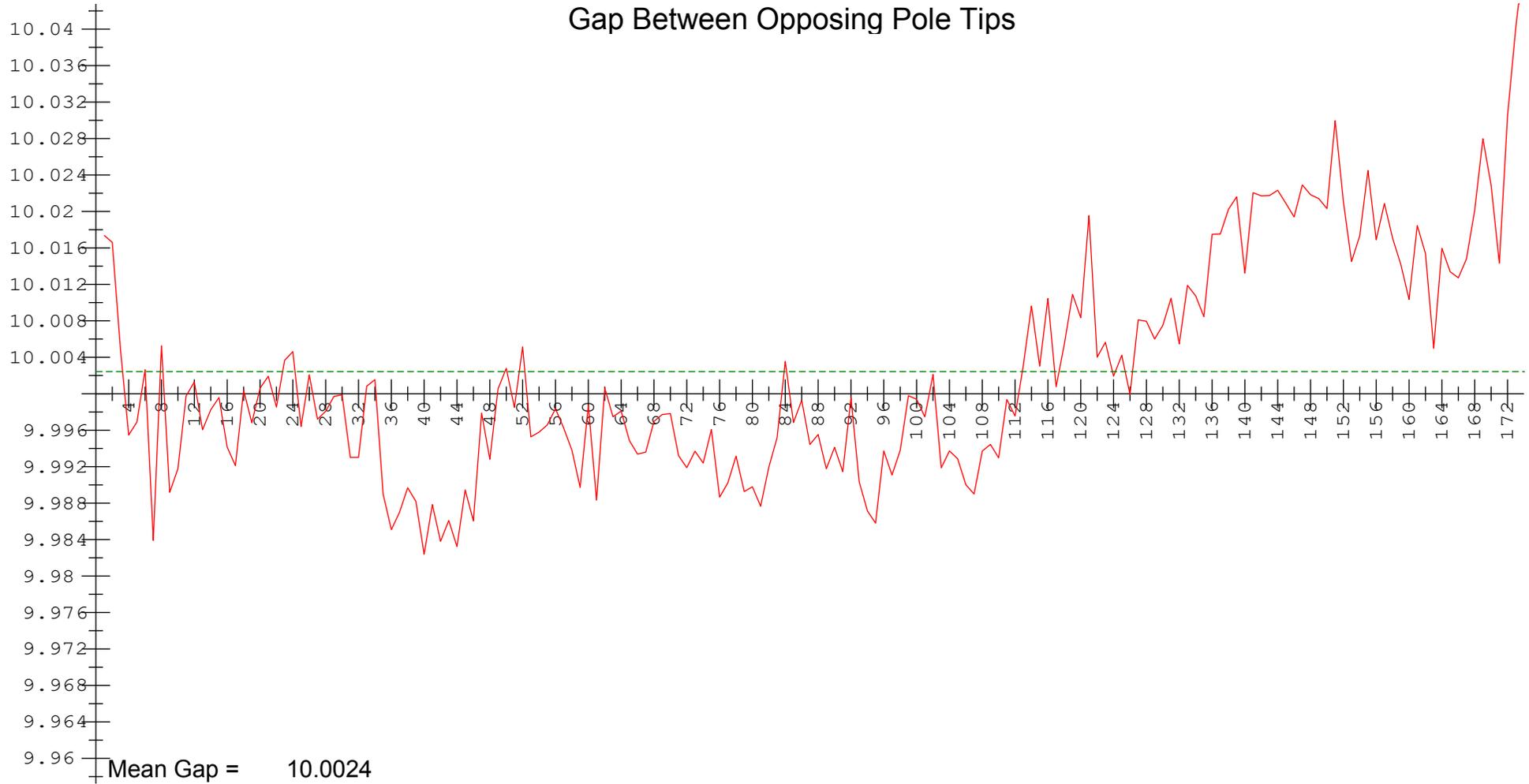## Bottom Jaw Pole Tips

Mean BTM = -4.9636   Regression Line Ang. (mrad) = -0.0048

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 = 0.000
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

18-APR-2018
S/N =   009
D/S=   0001
Run=   2

Gap Between Opposing Pole Tips

Mean Gap =   10.0024

Step Between Measured Pole Tips =   1
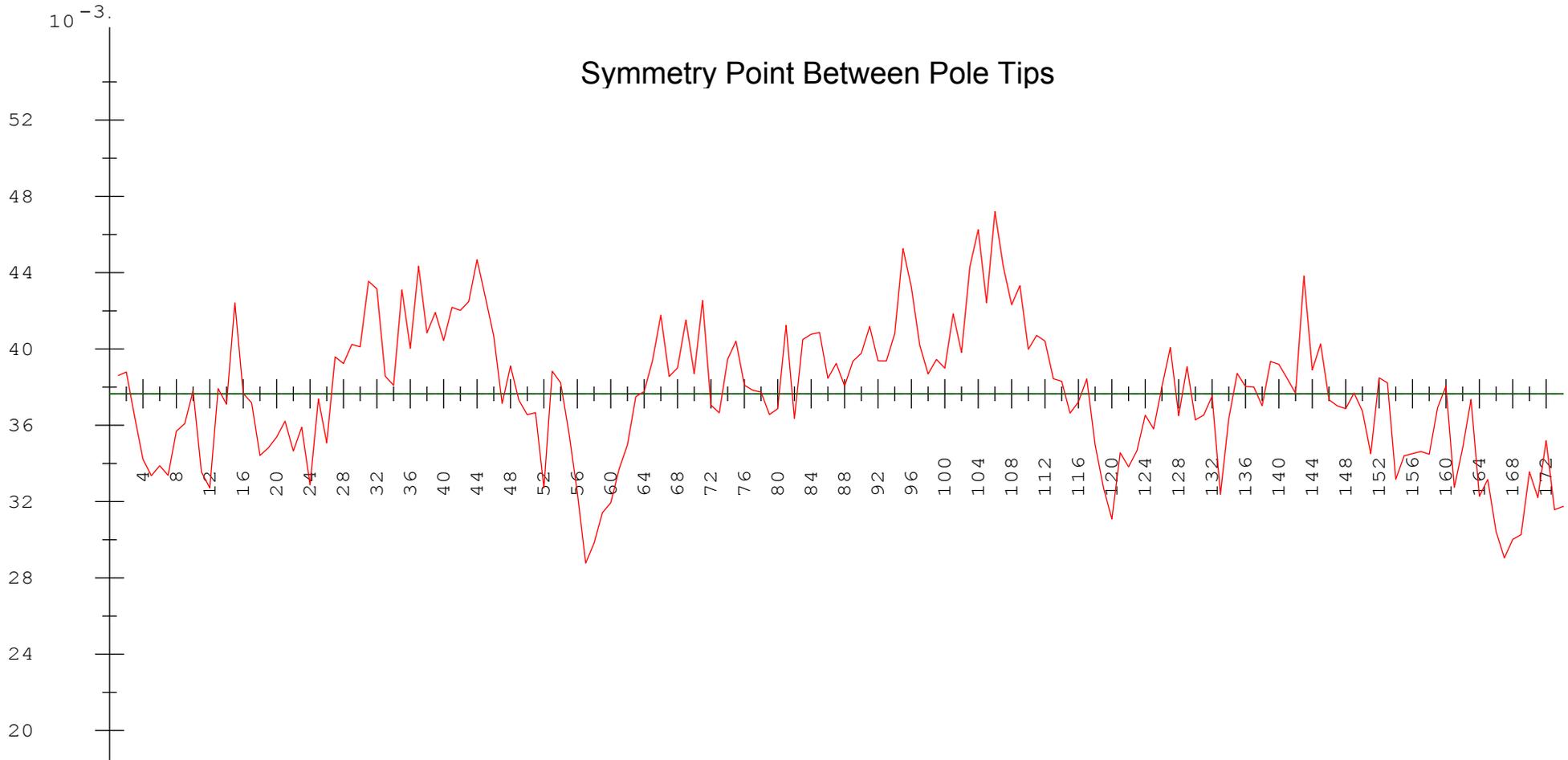
Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

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

18-APR-2018
S/N =   009
D/S=   0001
Run=   2

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0376

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

18-APR-2018
S/N =   009
D/S=   0001
Run=   2

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	5.0330	5.0356	5.0421	5.0447
Bottom	-4.9555	-4.9590	-4.9680	-4.9716
Gap	9.9885			10.0163
Taper				0.0278

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0389	-4.9636	10.0024	0.0376

Additional Calculated Values

Bottom Pole #1 Z Value	979.421
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	-0.005
Minimum Effective Gap	9.972
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

18-APR-2018
S/N =   009
D/S=   0001
Run=   2