Top Jaw Pole Tips

Mean TOP =   5.0363   Regression Line Ang. (mrad) =   0.0039

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   9.782
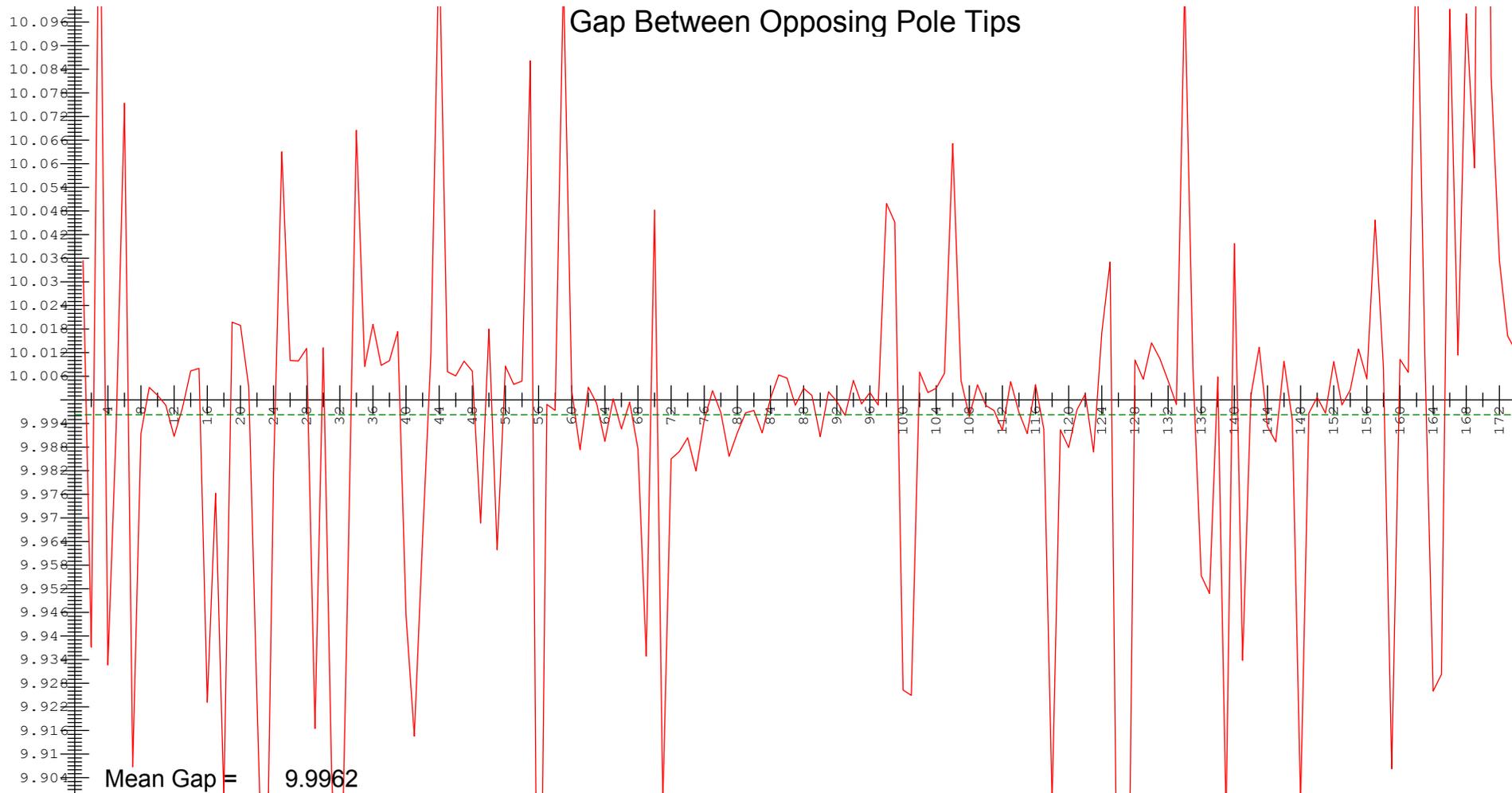

Mean BTM =   -4.9599   Regression Line Ang. (mrad) =   -0.0045

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

17-JAN-2018
S/N =   006
D/S=   0001
Run=   08

Gap Between Opposing Pole Tips

Mean Gap = 9.9962

Step Between Measured Pole Tips = 1

Dimensions in mm

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000
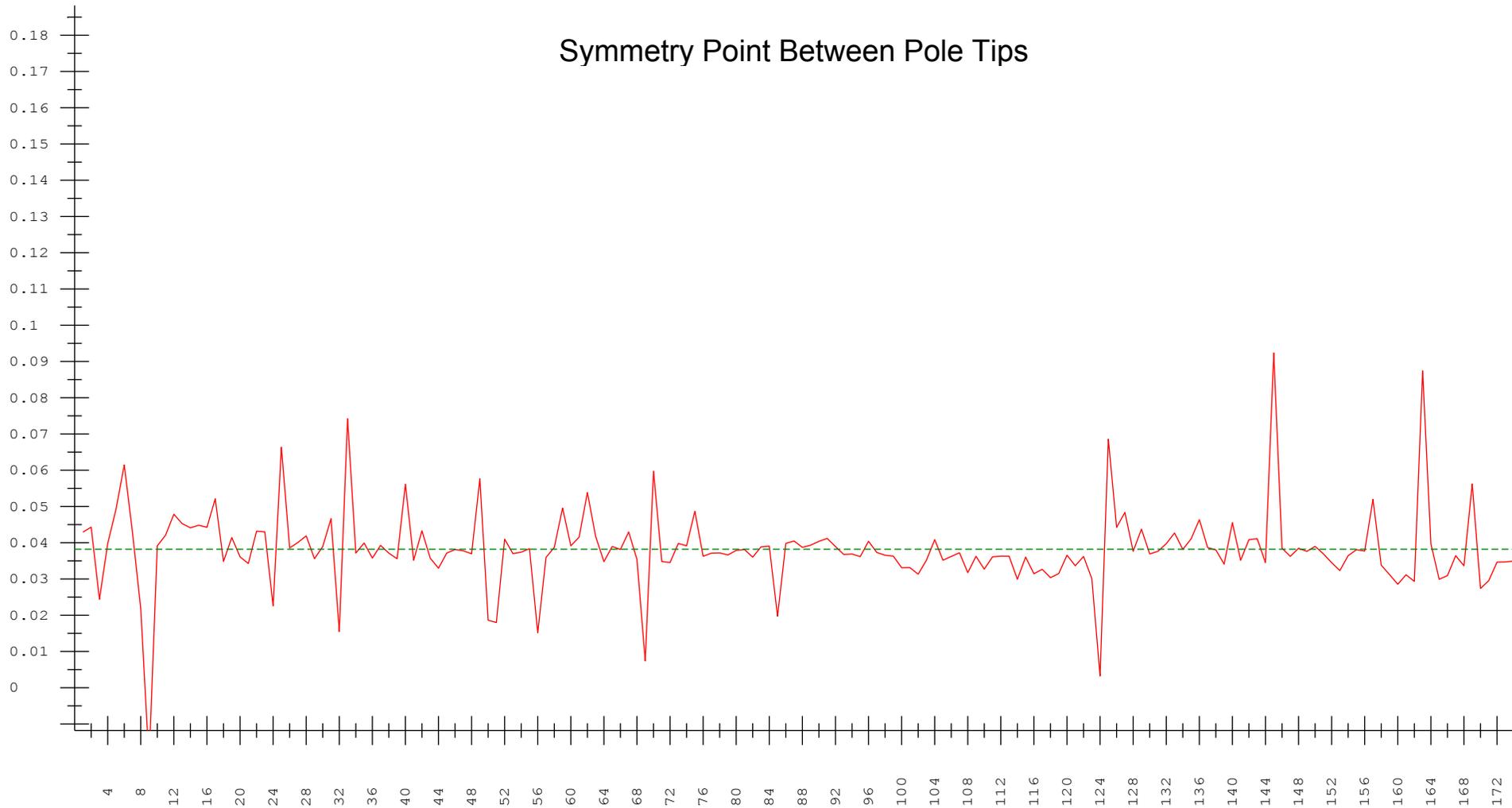
17-JAN-2018
S/N =   006
D/S=   0001
Run=   08

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0382

Step Between Measured Pole Tips =   1

Dimensions in mm

| SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY | LCLS II - SXR Undulator Nominal Gap = 10 Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000 | 17-JAN-2018 S/N =   006 D/S=   0001 Run=   08 |

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	5.0297	5.0326	5.0399	5.0429
Bottom	-4.9524	-4.9557	-4.9640	-4.9674

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0363	-4.9599	9.9962	0.0382

Additional Calculated Vlaues

Bottom Pole #1 Z Value	979.294
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	-0.004
Minimum Effective Gap	9.782
Reference Block Gap	6.804

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

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

17-JAN-2018
S/N = 006
D/S = 0001
Run = 08