Top Jaw Pole Tips

Mean TOP =   5.0156   Regression Line Ang. (mrad) =   -0.0002

Pole Tip Num. ---->   **Bottom Jaw Pole Tips**   Minimum Effective Gap =   9.983

Mean BTM =   -4.9864   Regression Line Ang. (mrad) =   0.0008

Y Value Scales Centered on Mean Values   Regression Line Through Points =----------
Step Between Measured Pole Tips =   5   Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000
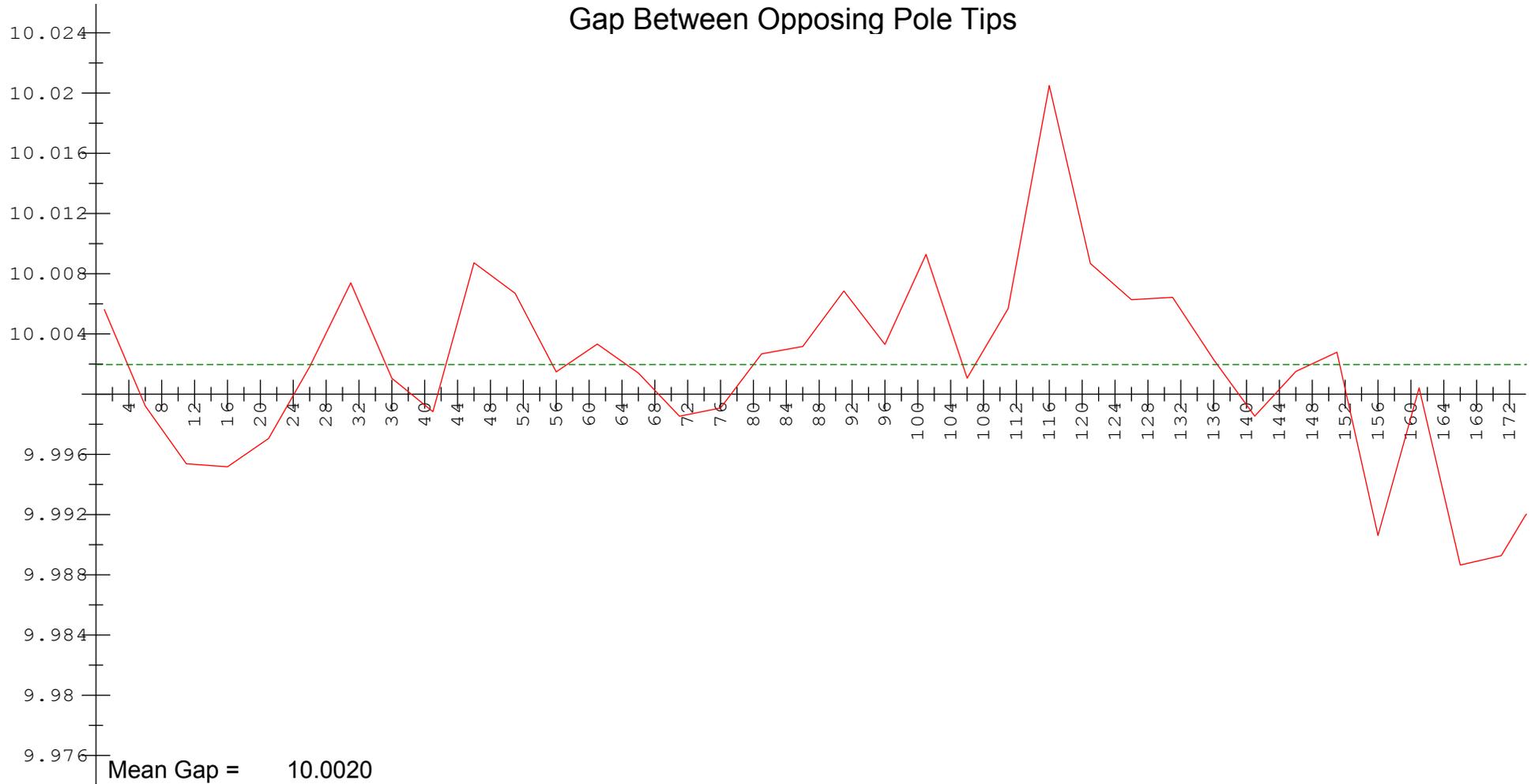Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

13-NOV-2018
S/N =   017
D/S=   0001
Run=   6

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Gap Between Opposing Pole Tips

Mean Gap =   10.0020

Step Between Measured Pole Tips =   5

Dimensions in mm

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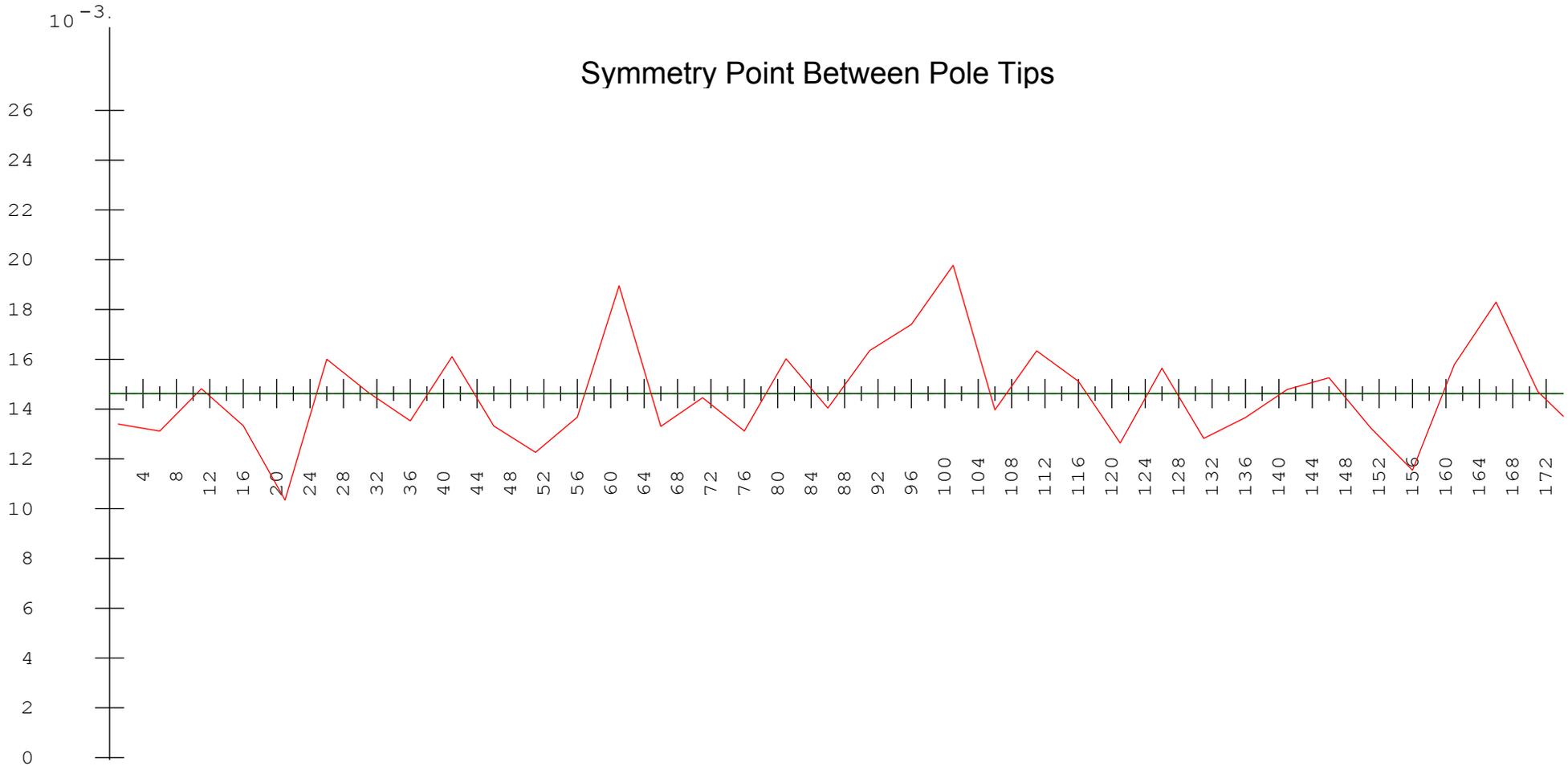NATIONAL ACCELERATOR LABORATORY
METROLOGY

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

13-NOV-2018
S/N =   017
D/S=   0001
Run=   6

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0146

Step Between Measured Pole Tips =   5

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

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13-NOV-2018
S/N =   017
D/S=   0001
Run=   6

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	5.0158	5.0156	5.0153	5.0151
Bottom	-4.9877	-4.9871	-4.9855	-4.9848
Gap	10.0034			10.0000
Taper				-0.0035

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0156	-4.9864	10.0020	0.0146

Additional Calculated Values

Bottom Pole #1 Z Value	980.178
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	9.983
Reference Block Gap	6.806

Dimensions in mm

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

13-NOV-2018
S/N = 017
D/S = 0001
Run = 6