Top Jaw Pole Tips

Pole Tip Num. ---->

Mean TOP =   5.0131   Regression Line Ang. (mrad) =   0.0046

Bottom Jaw Pole Tips

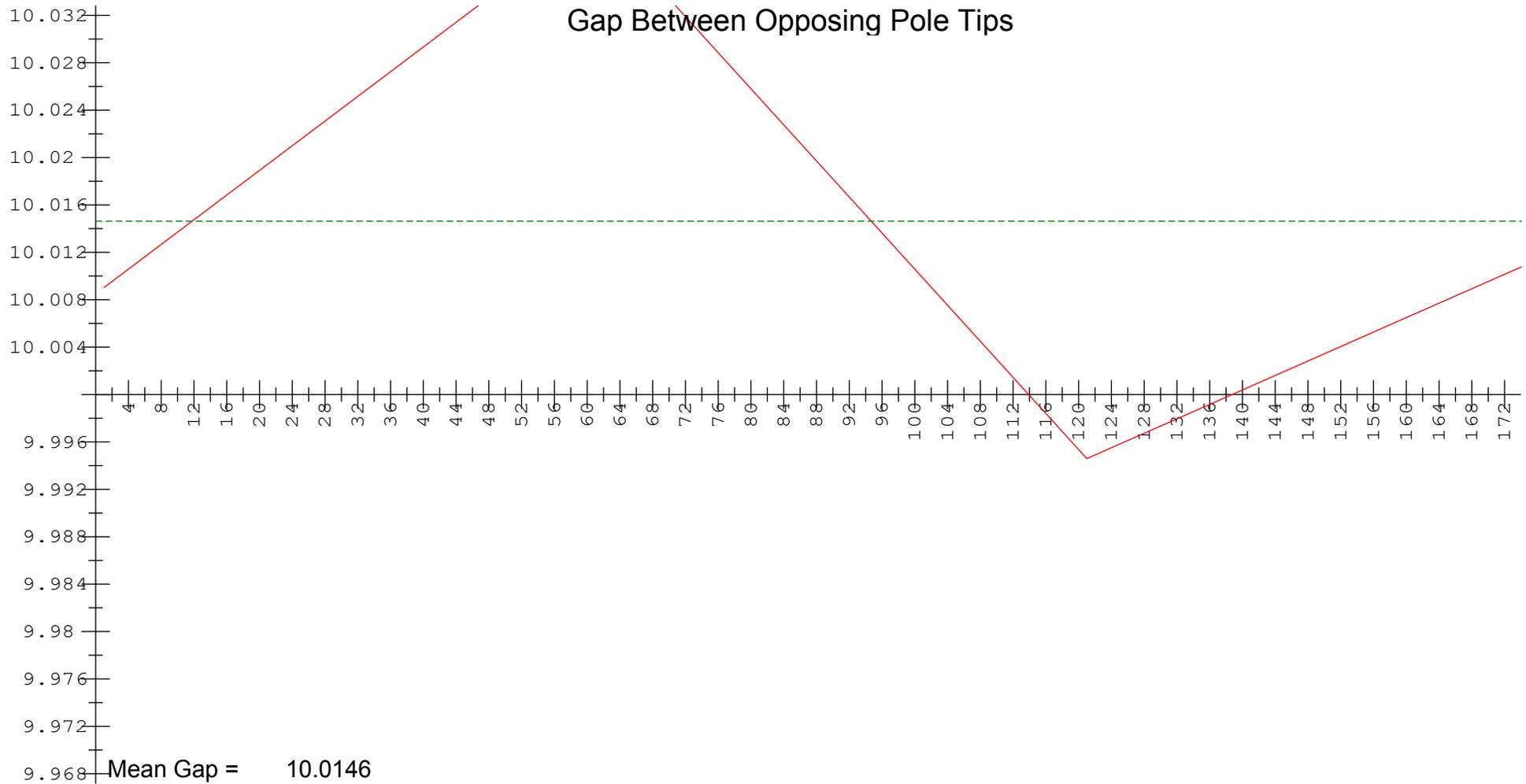Minimum Effective Gap =   9.977

Mean BTM =   -5.0015   Regression Line Ang. (mrad) =   0.0082

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   60

Regression Line Through Points =
Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 0.0000   US Encoder = 0.0000   DS Encoder = 0.0000

31-JUL-2019
S/N =   001
D/S=   0007
Run=   15

Gap Between Opposing Pole Tips

Mean Gap =   10.0146

Step Between Measured Pole Tips =   60
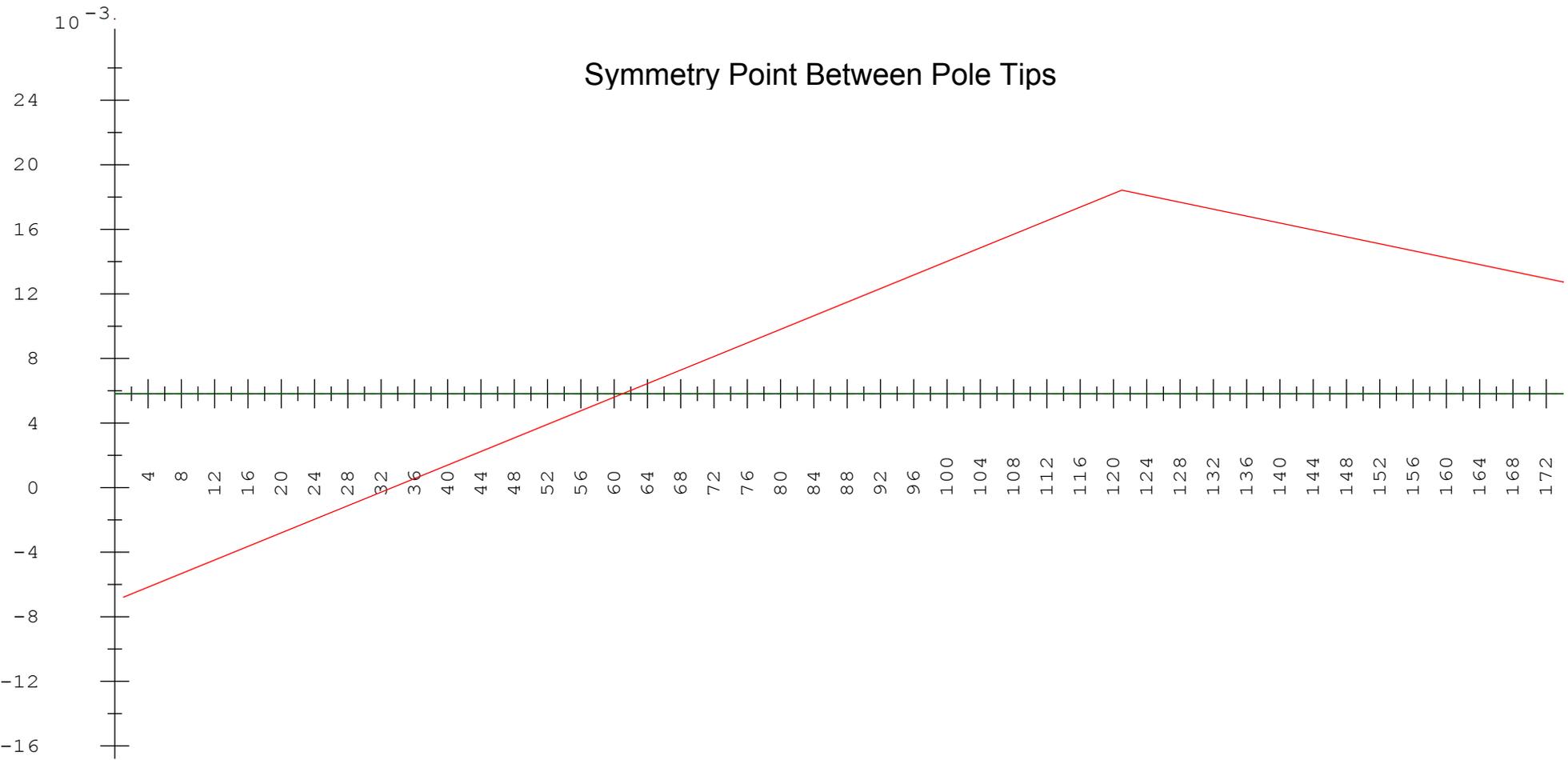
Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 0.0000   US Encoder = 0.0000   DS Encoder = 0.0000

31-JUL-2019
S/N =   001
D/S=   0007
Run=   15

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0058

Step Between Measured Pole Tips =   60

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 0.0000   US Encoder = 0.0000   DS Encoder = 0.0000

31-JUL-2019
S/N =   001
D/S=   0007
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	5.0065	5.0099	5.0185	5.0220
Bottom	-5.0135	-5.0074	-4.9919	-4.9857
Gap	10.0199			10.0076
Taper				-0.0123

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0131	-5.0015	10.0146	0.0058

Additional Calculated Values

Bottom Pole #1 Z Value	980.086
Top Jaw Pitch (mrad)	0.005
Bottom Jaw Pitch(mrad)	0.008
Minimum Effective Gap	9.977
Reference Block Gap	6.805

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 0.0000   US Encoder = 0.0000   DS Encoder = 0.0000

31-JUL-2019
S/N = 001
D/S = 0007
Run = 15