Top Jaw Pole Tips

Mean TOP =   10.0222   Regression Line Ang. (mrad) =   0.0051

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   19.944

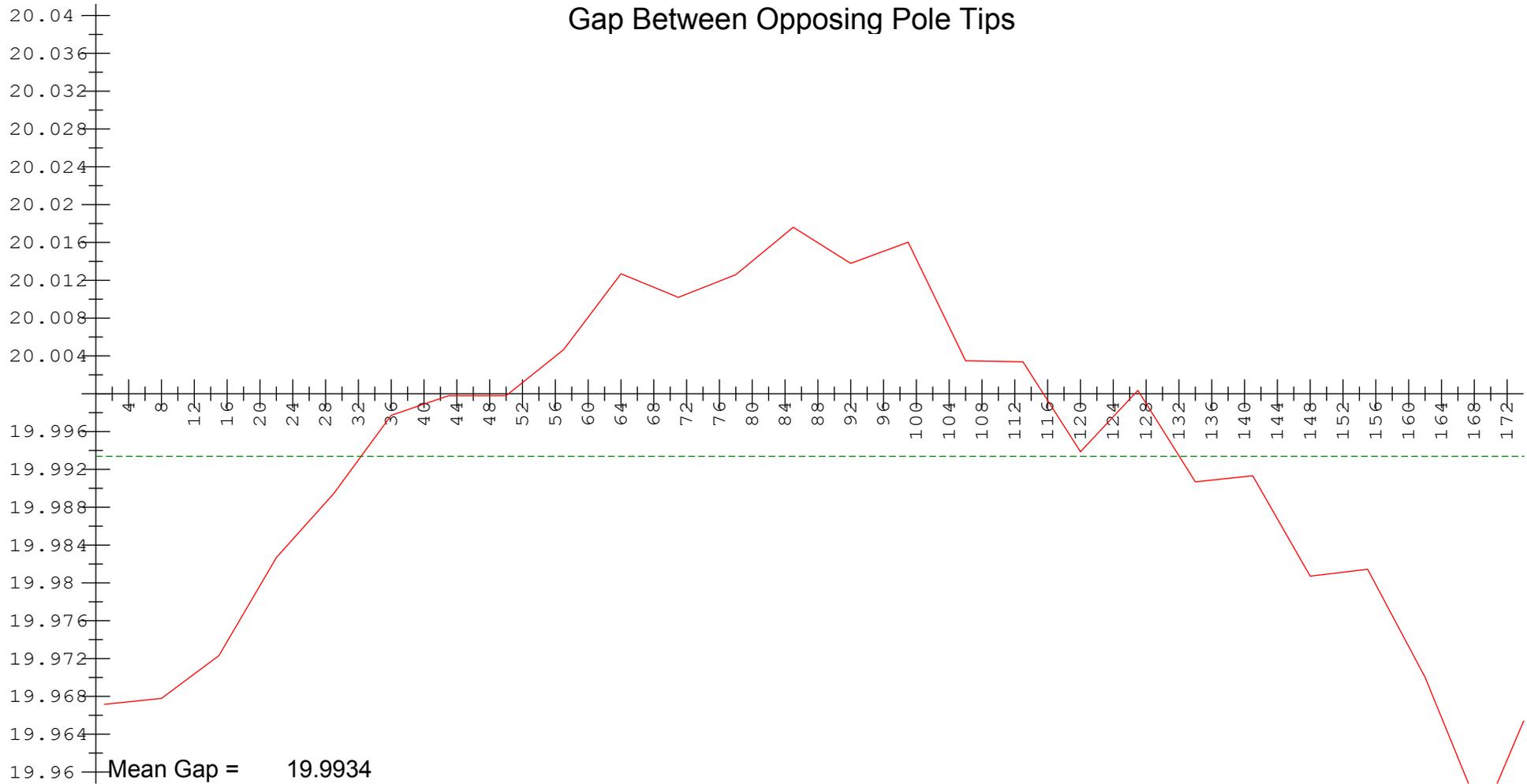Mean BTM =   -9.9712   Regression Line Ang. (mrad) =   0.0075

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   7

Regression Line Through Points =------
Dimensions in mm

SLAC
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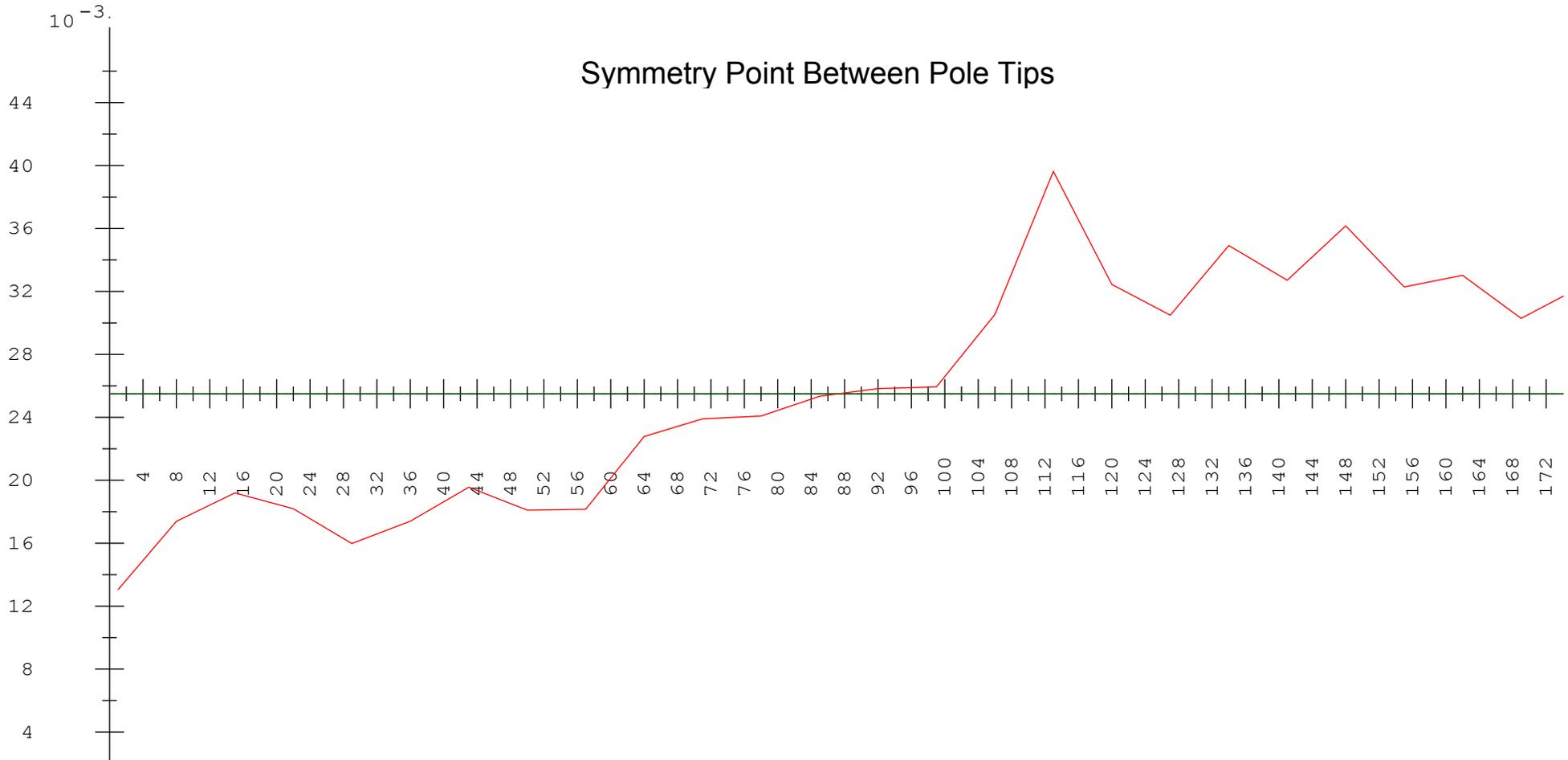**METROLOGY**

LCLS II - SXR Undulator
Nominal Gap = 20   Nominal Taper = 0.000
Gap Reading = 20.0000   US Encoder = 20.0000   DS Encoder = 20.0000

21-AUG-2018
S/N =   014
D/S=   0001
Run=   11

Gap Between Opposing Pole Tips

Mean Gap =   19.9934

Step Between Measured Pole Tips =   7   Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 20   Nominal Taper = 0.000

Gap Reading = 20.0000   US Encoder = 20.0000   DS Encoder = 20.0000

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METROLOGY

21-AUG-2018
S/N =   014
D/S=   0001
Run=   11

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0255

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 20   Nominal Taper = 0.000

Gap Reading = 20.0000   US Encoder = 20.0000   DS Encoder = 20.0000

21-AUG-2018
S/N =   014
D/S=   0001
Run=   11

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METROLOGY

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	10.0131	10.0169	10.0266	10.0305
Bottom	-9.9832	-9.9777	-9.9636	-9.9579
Gap	19.9963			19.9884
Taper				-0.0080

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
10.0222	-9.9712	19.9934	0.0255

Additional Calculated Values

Bottom Pole #1 Z Value	979.941
Top Jaw Pitch (mrad)	0.005
Bottom Jaw Pitch(mrad)	0.008
Minimum Effective Gap	19.944
Reference Block Gap	6.806

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 20   Nominal Taper = 0.000
Gap Reading = 20.0000   US Encoder = 20.0000   DS Encoder = 20.0000

21-AUG-2018
S/N = 014
D/S= 0001
Run= 11