Top Jaw Pole Tips

Y Dev.from Mean

10^{-3}

Mean TOP =   5.5735   Regression Line Ang. (mrad) =   0.0022

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   10.992

Y Dev.from Mean

10^{-3}

Mean BTM =   -5.4396   Regression Line Ang. (mrad) =   0.0019

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

Regression Line Through Points =
Dimensions in mm

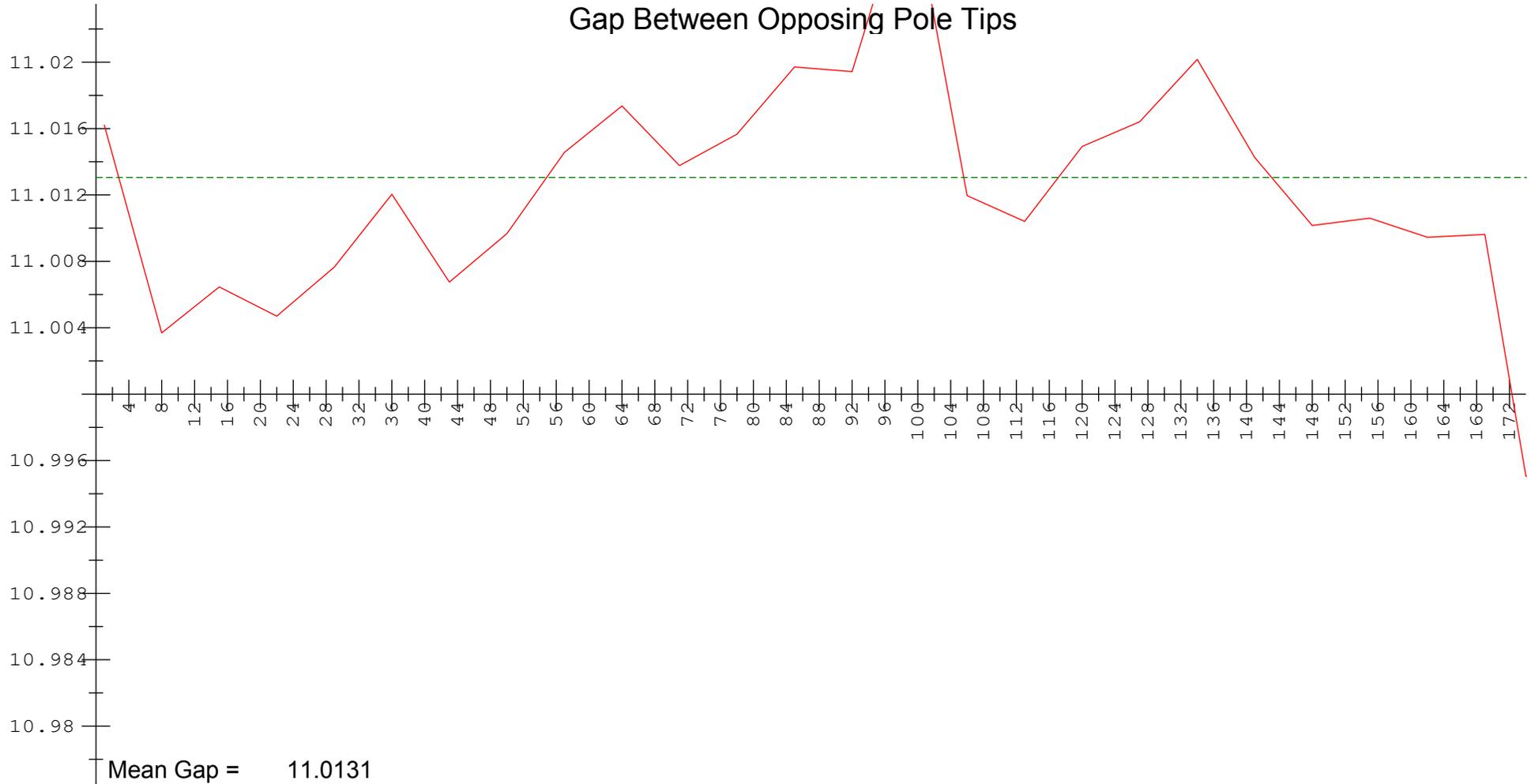Gap Between Opposing Pole Tips

Mean Gap =   11.0131

Step Between Measured Pole Tips =   7
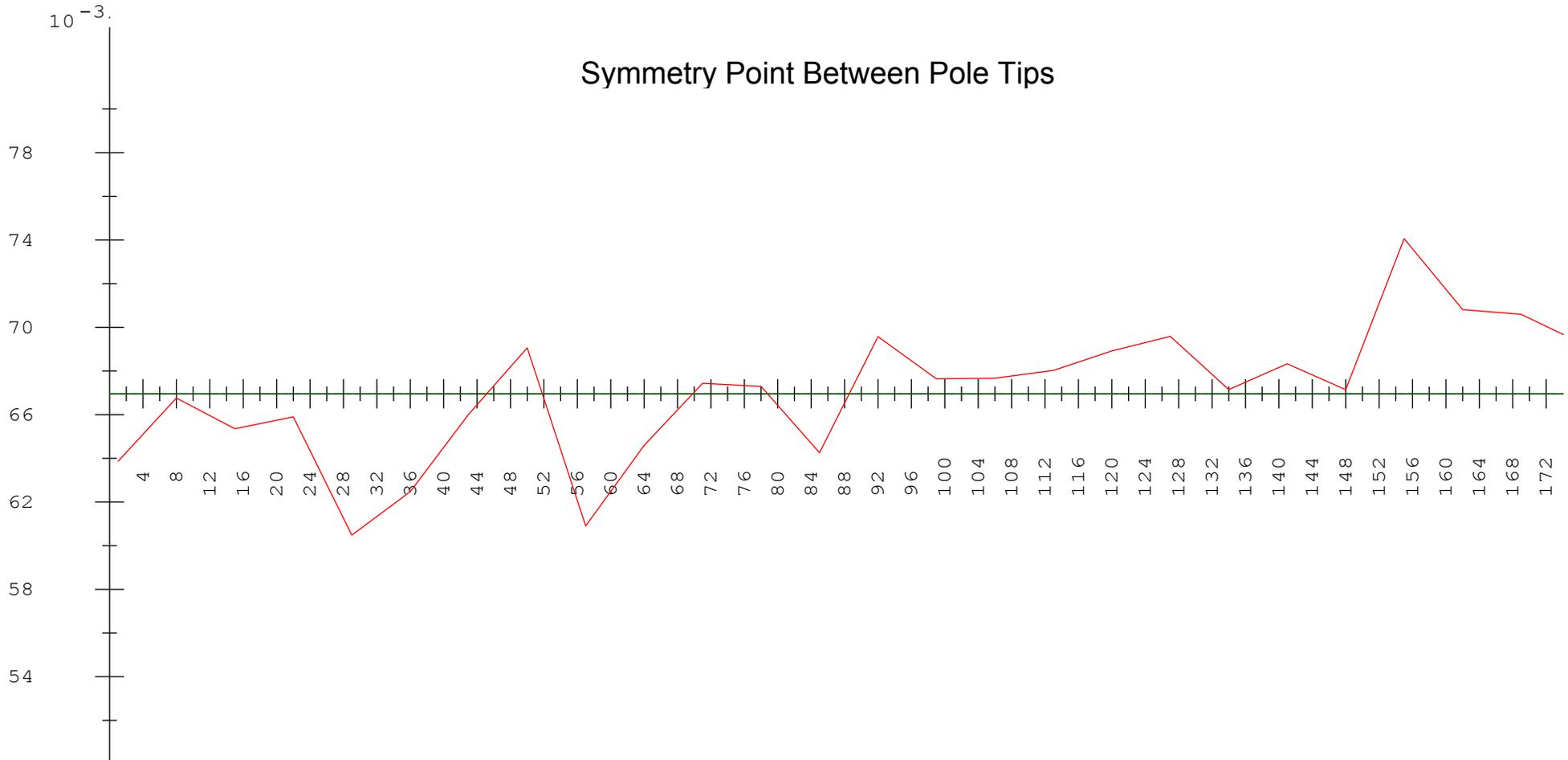
Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 11   Nominal Taper = 0.000
Gap Reading = 11.0000   US Encoder = 11.0000   DS Encoder = 11.0000

22-JUN-2018
S/N =   012
D/S=   0001
Run=   8

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Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0670

Step Between Measured Pole Tips =   7

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 11   Nominal Taper = 0.000
Gap Reading = 11.0000   US Encoder = 11.0000   DS Encoder = 11.0000

22-JUN-2018
S/N =   012
D/S=   0001
Run=   8

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	5.5695	5.5711	5.5753	5.5769
Bottom	-5.4424	-5.4410	-5.4374	-5.4359
Gap	11.0119			11.0128
Taper				0.0009

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.5735	-5.4396	11.0131	0.0670

Additional Calculated Values

Bottom Pole #1 Z Value	979.792
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	10.992
Reference Block Gap	6.808

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 11   Nominal Taper = 0.000
Gap Reading = 11.0000   US Encoder = 11.0000   DS Encoder = 11.0000

22-JUN-2018
S/N = 012
D/S = 0001
Run = 8