Top Jaw Pole Tips

10^{-3}

Y Dev.from Mean

Mean TOP =   6.5792   Regression Line Ang. (mrad) =   -0.0020

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   12.976

10^{-3}

Y Dev.from Mean

Mean BTM =   -6.4337   Regression Line Ang. (mrad) =   -0.0021

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   10

Regression Line Through Points =
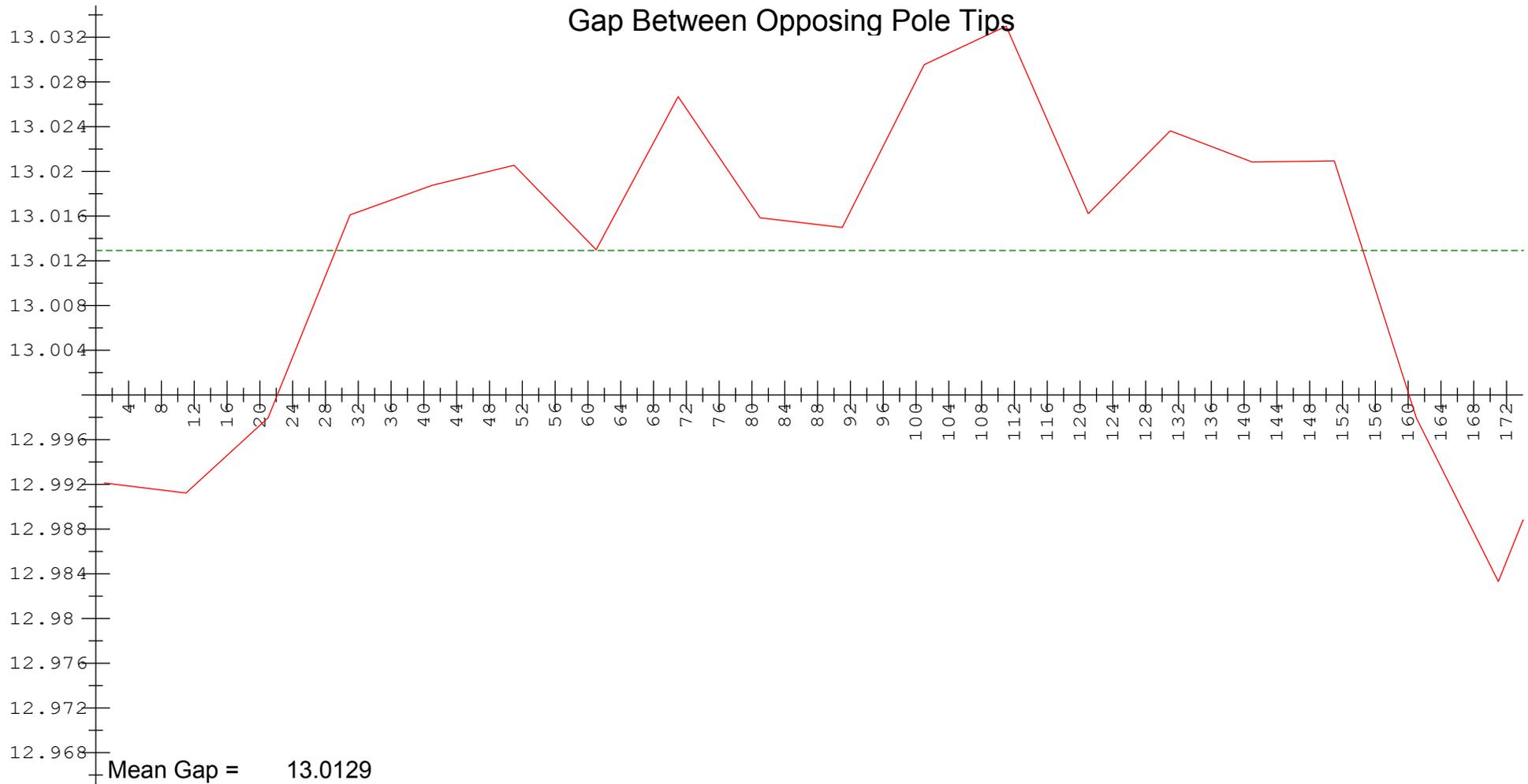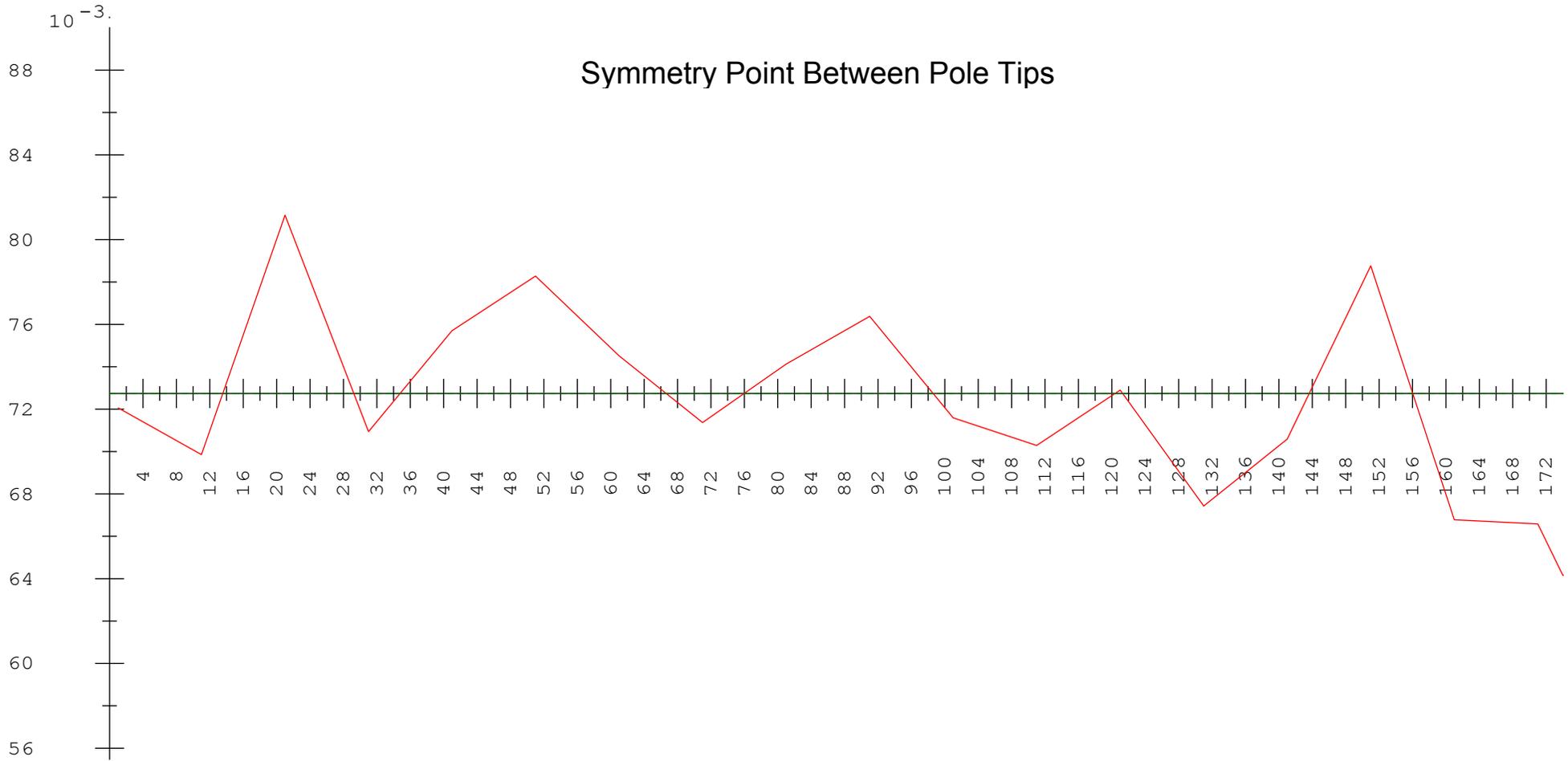Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 13   Nominal Taper = 0.000

Gap Reading = 13.0000   US Encoder = 0.0130   DS Encoder = 0.0130

22-NOV-2019
S/N =   021
D/S=   0001
Run=   10

Gap Between Opposing Pole Tips

Mean Gap =   13.0129

Step Between Measured Pole Tips =   10

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 13   Nominal Taper = 0.000

Gap Reading = 13.0000   US Encoder = 0.0130   DS Encoder = 0.0130

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D/S=   0001
Run=   10

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0727

Step Between Measured Pole Tips =   10

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 13   Nominal Taper = 0.000

Gap Reading = 13.0000   US Encoder = 0.0130   DS Encoder = 0.0130

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S/N =   021
D/S=   0001
Run=   10

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	6.5816	6.5801	6.5764	6.5748
Bottom	-6.4299	-6.4314	-6.4354	-6.4370
Gap	13.0115			13.0118
Taper				0.0003

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.5792	-6.4337	13.0129	0.0727

Additional Calculated Values

Bottom Pole #1 Z Value	980.155
Top Jaw Pitch (mrad)	-0.002
Bottom Jaw Pitch(mrad)	-0.002
Minimum Effective Gap	12.976
Reference Block Gap	6.799

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 13   Nominal Taper = 0.000
Gap Reading = 13.0000   US Encoder = 0.0130   DS Encoder = 0.0130

22-NOV-2019
S/N =   021
D/S=   0001
Run=   10