Top Jaw Pole Tips

Y Dev.from Mean

Mean TOP = 4.4619   Regression Line Ang. (mrad) = -0.0014

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 8.963

Y Dev.from Mean

Mean BTM = -4.5413   Regression Line Ang. (mrad) = 0.0002

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

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

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LCLS II - SXR Undulator
Nominal Gap = 9   Nominal Taper = 0.000
Gap Reading = 9.0000   US Encoder = 9.0000   DS Encoder = 9.0000

19-JUL-2018
S/N = 013
D/S = 0001
Run = 6

Gap Between Opposing Pole Tips

Mean Gap =   9.0032

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 9   Nominal Taper = 0.000

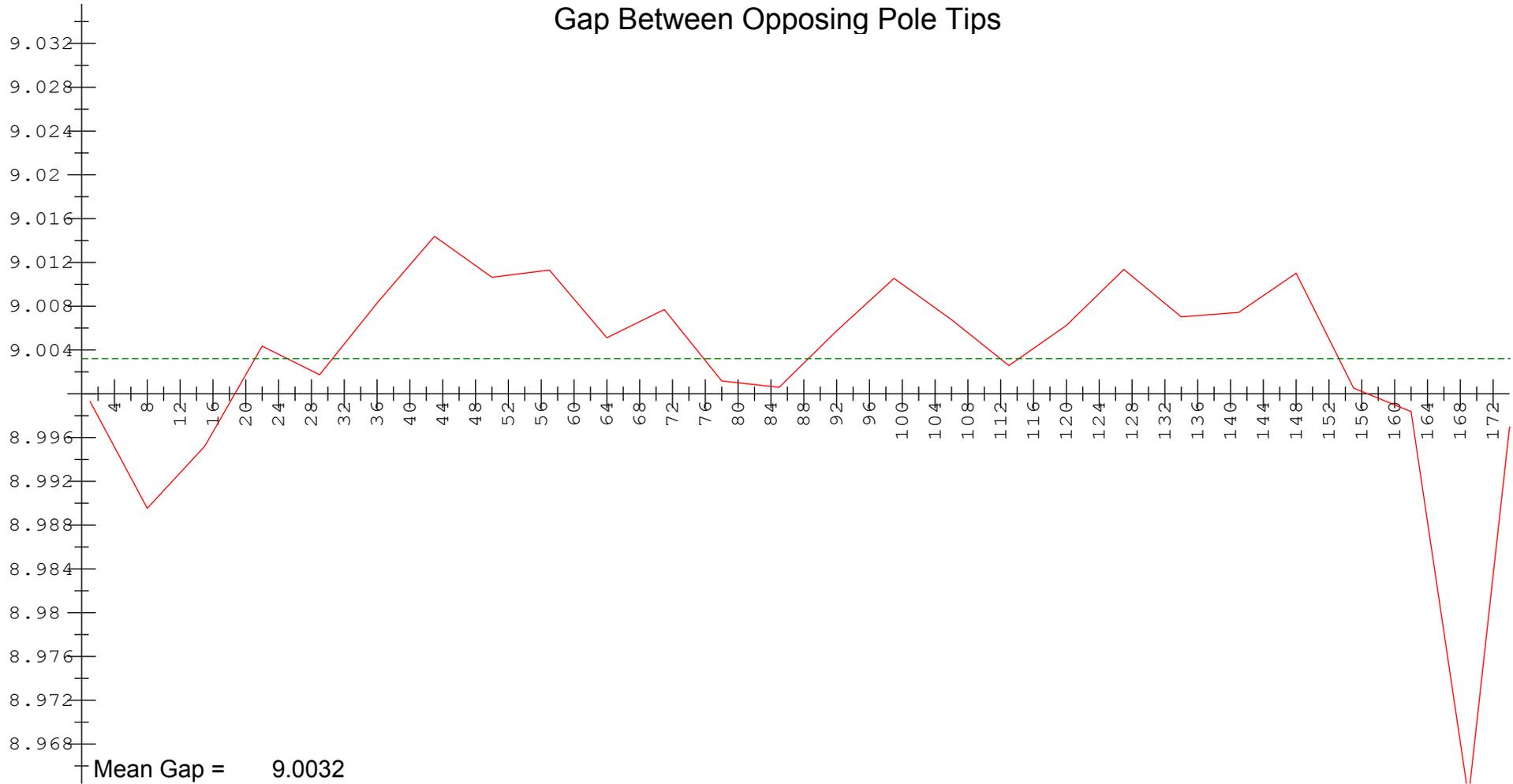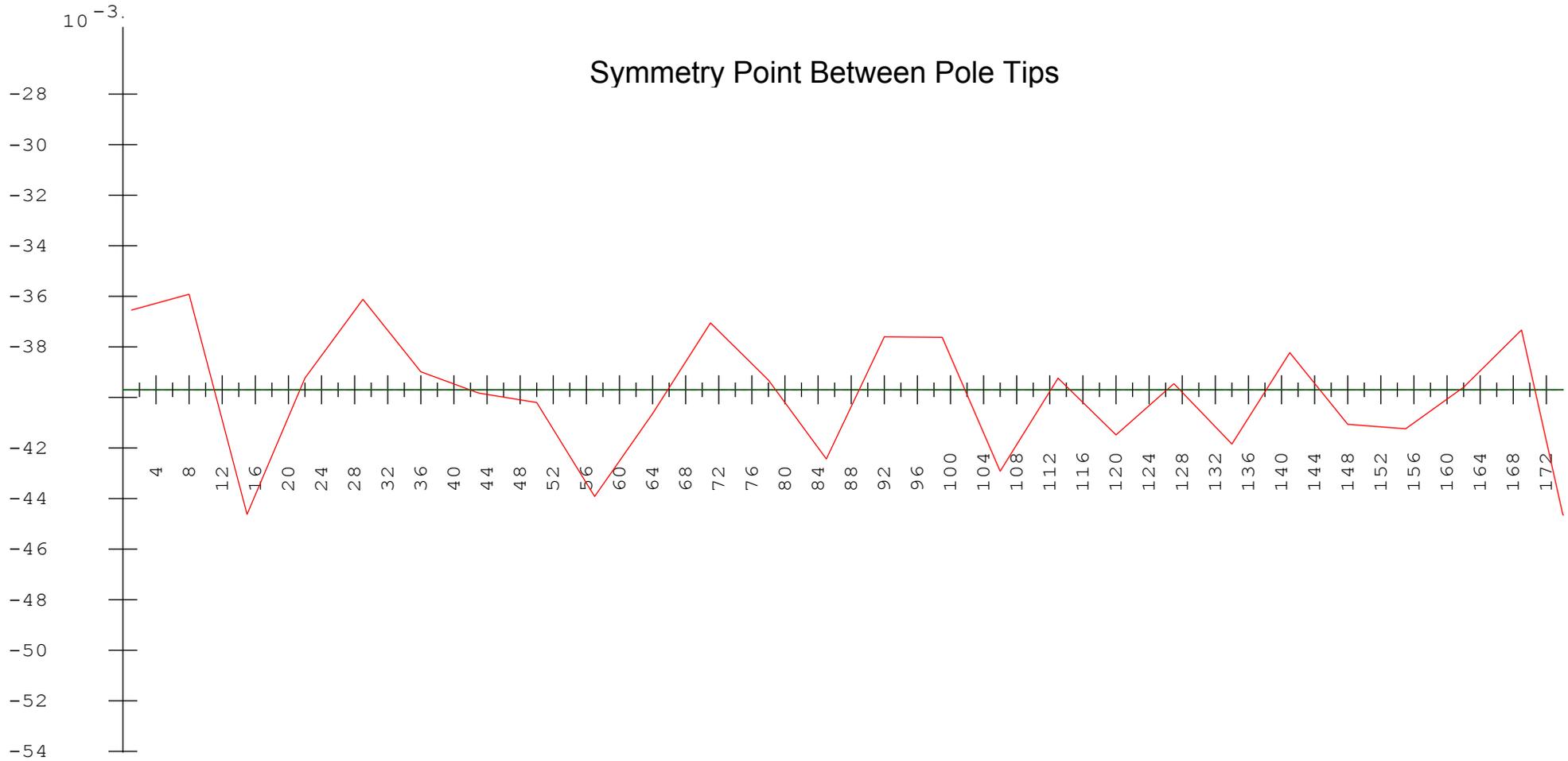Gap Reading = 9.0000   US Encoder = 9.0000   DS Encoder = 9.0000

19-JUL-2018
S/N =   013
D/S=   0001
Run=   6

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Symmetry Point Between Pole Tips

Mean Symmetry Value =   -0.0397

Step Between Measured Pole Tips =   7

Dimensions in mm

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LCLS II - SXR Undulator

Nominal Gap = 9   Nominal Taper = 0.000

Gap Reading = 9.0000   US Encoder = 9.0000   DS Encoder = 9.0000

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S/N =   013
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	4.4640	4.4630	4.4603	4.4592
Bottom	-4.5417	-4.5416	-4.5412	-4.5410
Gap	9.0057			9.0002
Taper				-0.0055

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.4619	-4.5413	9.0032	-0.0397

Additional Calculated Values

Bottom Pole #1 Z Value	979.775
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	8.963
Reference Block Gap	6.806

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 9   Nominal Taper = 0.000
Gap Reading = 9.0000   US Encoder = 9.0000   DS Encoder = 9.0000

19-JUL-2018
S/N = 013
D/S= 0001
Run= 6