Top Jaw Pole Tips

Y Dev.from Mean

Mean TOP = 6.0106   Regression Line Ang. (mrad) = 0.0005

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 11.989

Y Dev.from Mean

Mean BTM = -5.9960   Regression Line Ang. (mrad) = 0.0009

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 5

Regression Line Through Points =

Dimensions in mm

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LCLS II - SXR Undulator

Nominal Gap = 12   Nominal Taper = 0.000

Gap Reading = 11.5009   US Encoder = 11.5002   DS Encoder = 11.5016

13-NOV-2018
S/N = 017
D/S= 0001
Run= 9

Gap Between Opposing Pole Tips

Mean Gap = 12.0065

Step Between Measured Pole Tips = 5

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 12   Nominal Taper = 0.000

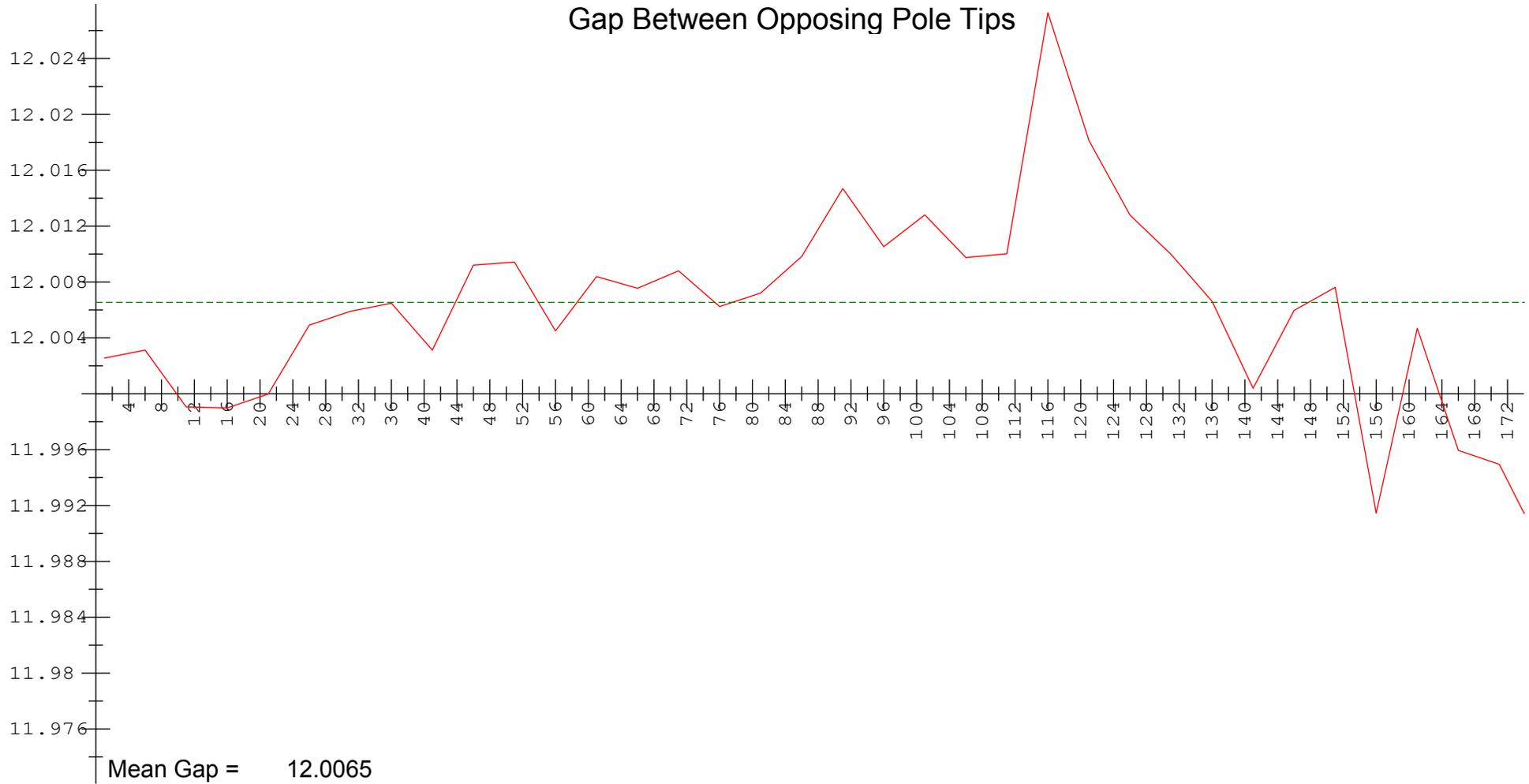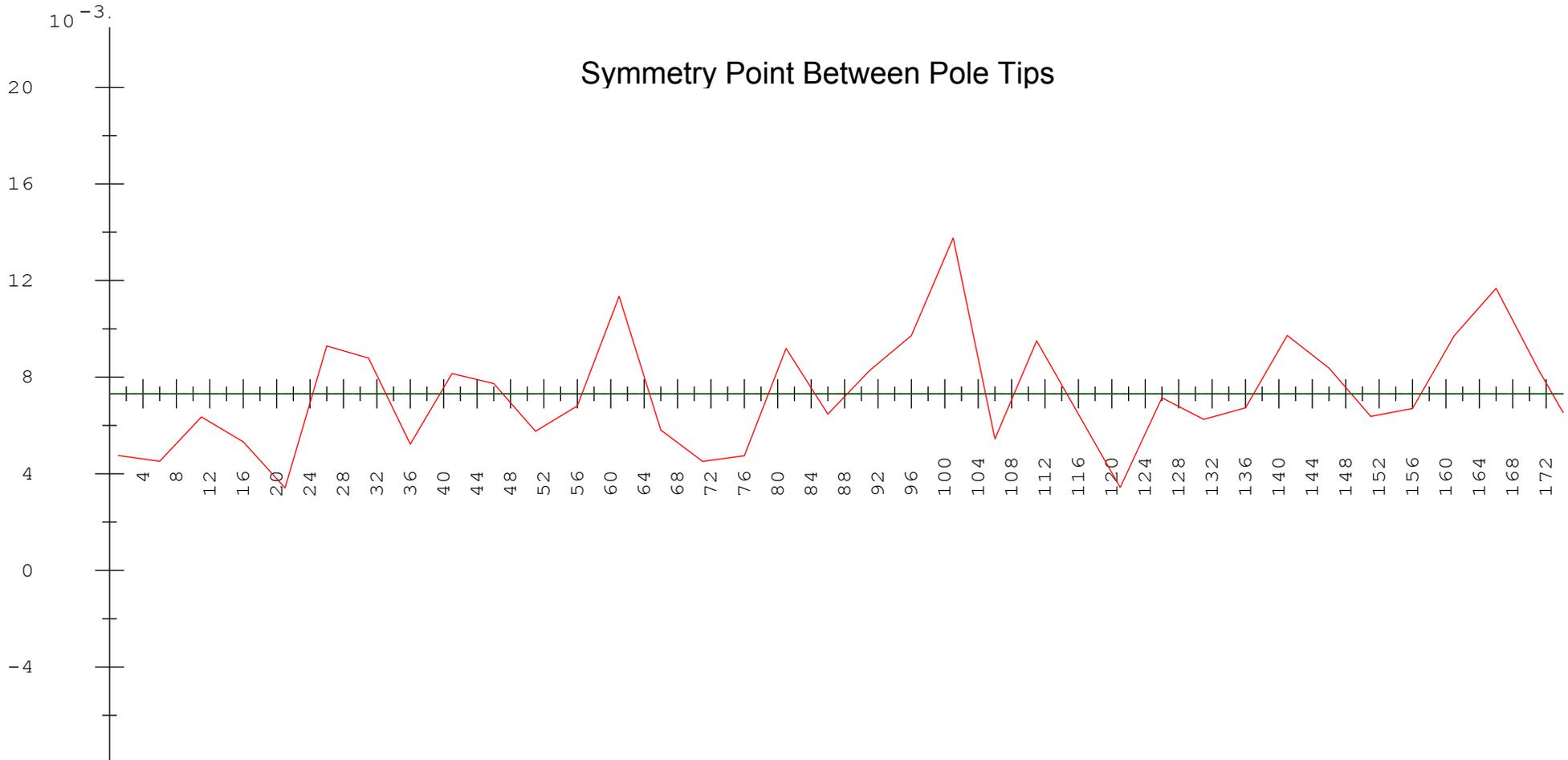Gap Reading = 11.5009   US Encoder = 11.5002   DS Encoder = 11.5016

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13-NOV-2018
S/N = 017
D/S = 0001
Run = 9

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0073

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 12   Nominal Taper = 0.000

Gap Reading = 11.5009   US Encoder = 11.5002   DS Encoder = 11.5016

METROLOGY

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13-NOV-2018
S/N =   017
D/S=   0001
Run=   9

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	6.0094	6.0098	6.0108	6.0112
Bottom	-5.9973	-5.9966	-5.9950	-5.9943
Gap	12.0067			12.0055
Taper				-0.0012

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.0106	-5.9960	12.0065	0.0073

Additional Calculated Values

Bottom Pole #1 Z Value	980.178
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	11.989
Reference Block Gap	6.806

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 12   Nominal Taper = 0.000
Gap Reading = 11.5009   US Encoder = 11.5002   DS Encoder = 11.5016

13-NOV-2018
S/N = 017
D/S = 0001
Run = 9