Top Jaw Pole Tips

Mean TOP =   5.7942   Regression Line Ang. (mrad) =   0.0007

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   11.477

Mean BTM =   -5.7018   Regression Line Ang. (mrad) =   -0.0015

Y Value Scales Centered on Mean Values   Regression Line Through Points = - - - - -
Step Between Measured Pole Tips =   5   Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 11.5   Nominal Taper = 0.000
Gap Reading = 11.5001   US Encoder = 11.5001   DS Encoder = 11.5001

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S/N =   016
D/S=   0001
Run=   8

Gap Between Opposing Pole Tips

Mean Gap =   11.4960

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 11.5   Nominal Taper = 0.000

Gap Reading = 11.5001   US Encoder = 11.5001   DS Encoder = 11.5001
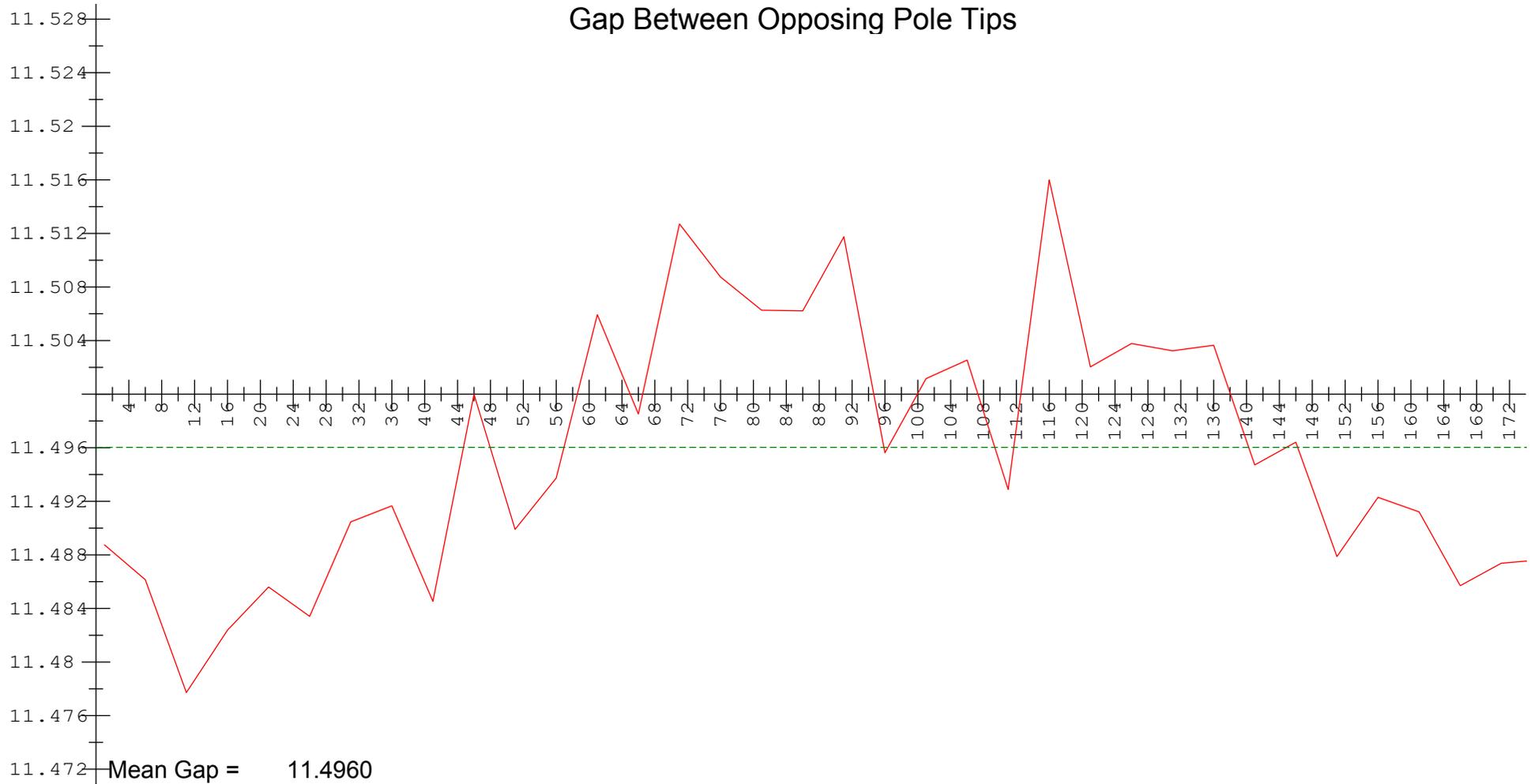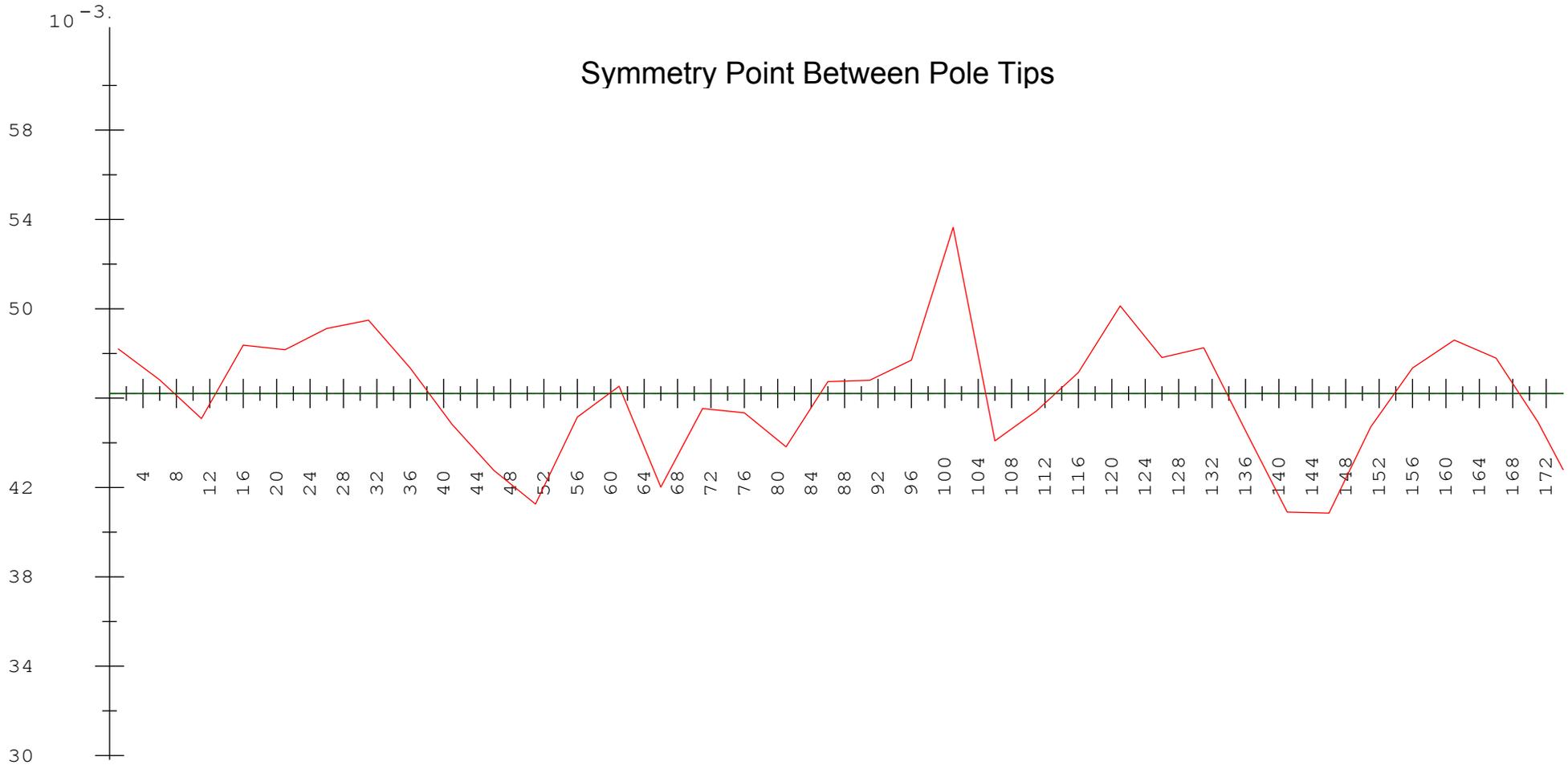
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S/N =   016
D/S=   0001
Run=   8

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0462

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 11.5   Nominal Taper = 0.000

Gap Reading = 11.5001   US Encoder = 11.5001   DS Encoder = 11.5001

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D/S=   0001
Run=   8

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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	5.7928	5.7933	5.7947	5.7952
Bottom	-5.6992	-5.7003	-5.7031	-5.7043
Gap	11.4920			11.4995
Taper				0.0074

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.7942	-5.7018	11.4960	0.0462

Additional Calculated Values

Bottom Pole #1 Z Value	979.935
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	-0.001
Minimum Effective Gap	11.477
Reference Block Gap	6.809

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 11.5   Nominal Taper = 0.000
Gap Reading = 11.5001   US Encoder = 11.5001   DS Encoder = 11.5001

24-OCT-2018
S/N =   016
D/S=   0001
Run=   8