Top Jaw Pole Tips

Mean TOP =   5.0342   Regression Line Ang. (mrad) =   -0.0011

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   9.987

Mean BTM =   -4.9730   Regression Line Ang. (mrad) =   0.0012

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   11

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

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0001

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S/N =   011
D/S=   0001
Run=   5

Gap Between Opposing Pole Tips

Mean Gap =   10.0072

Step Between Measured Pole Tips =   11

Dimensions in mm

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0306

Step Between Measured Pole Tips =   11

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

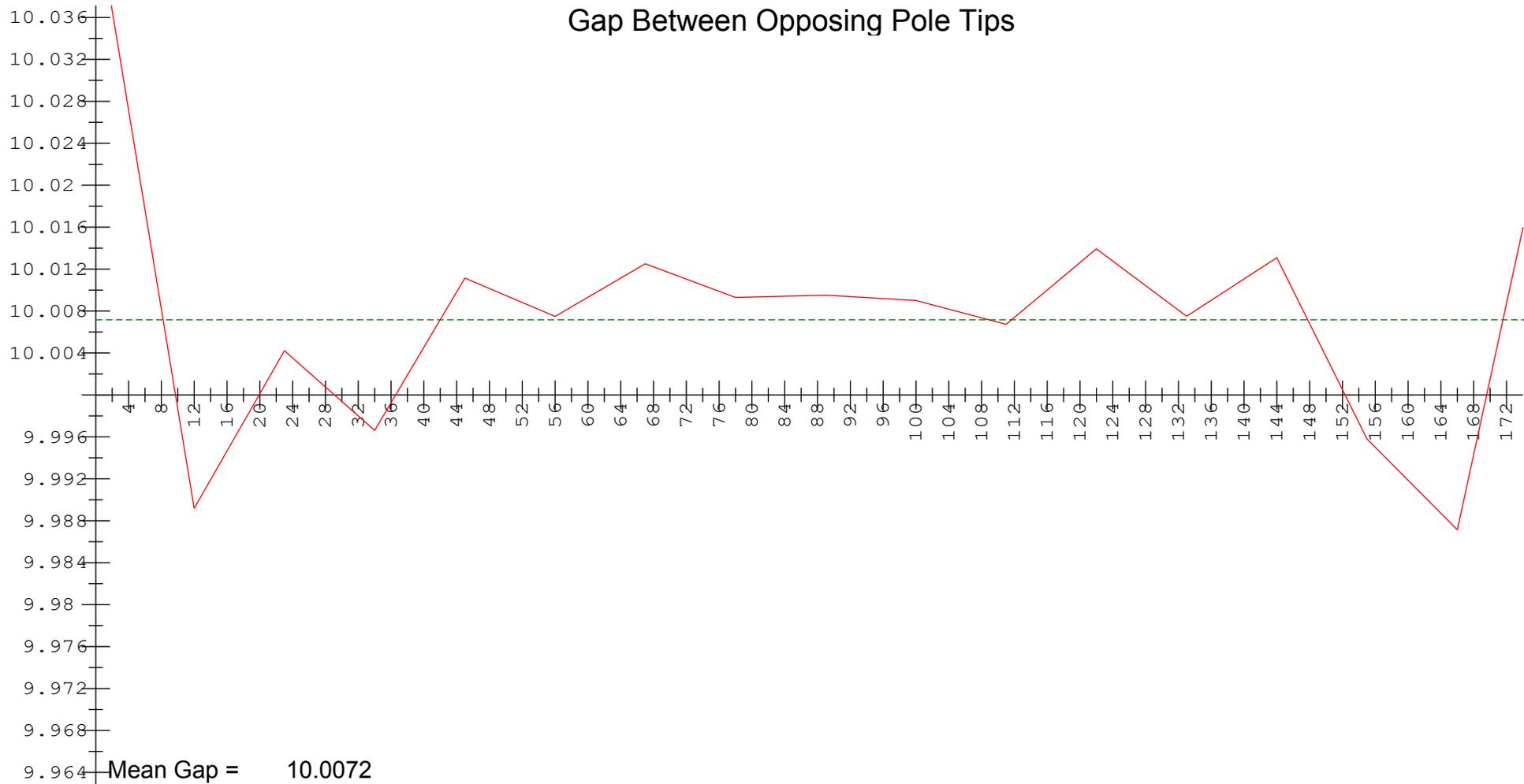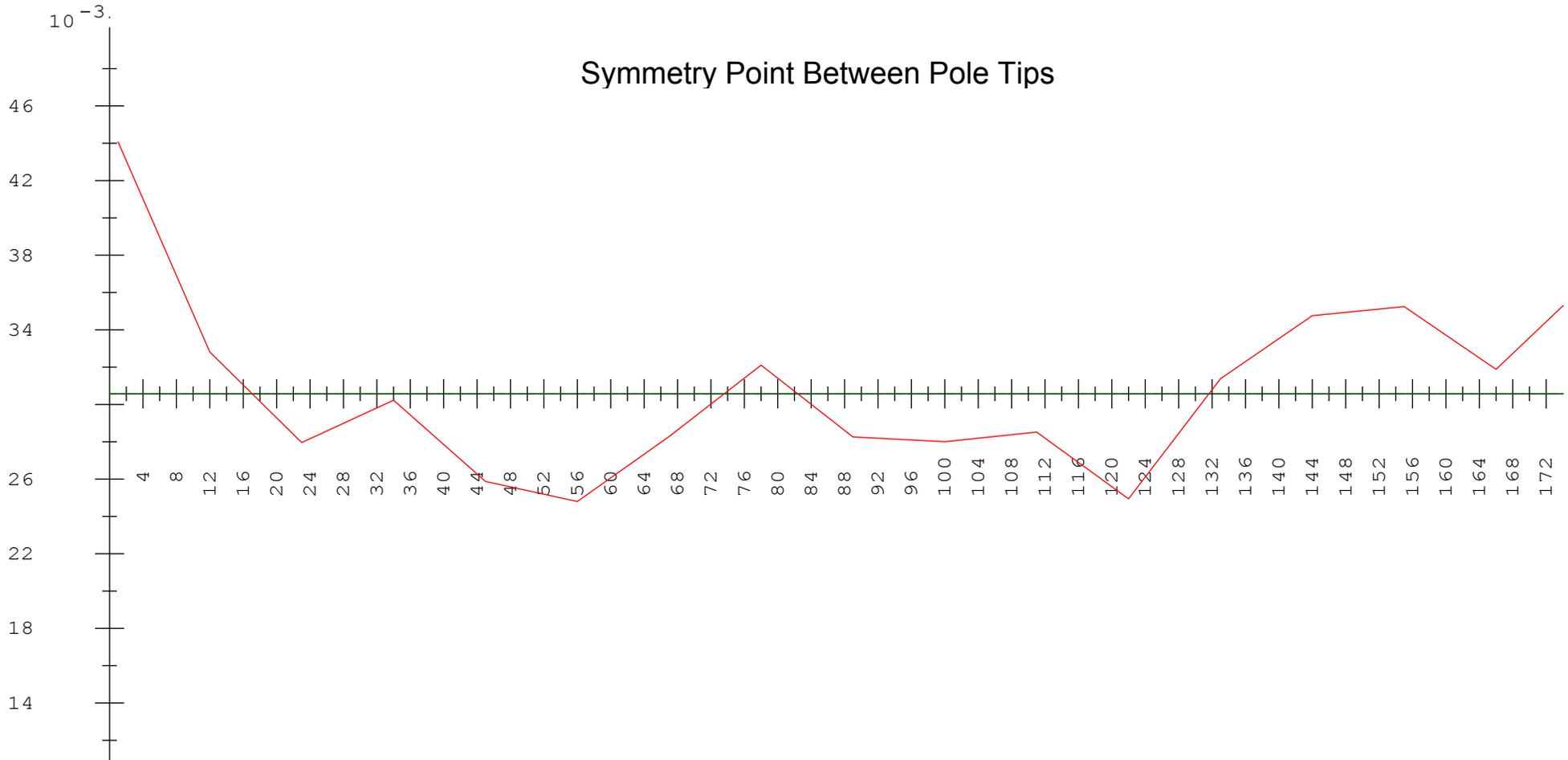Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0001

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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	5.0365	5.0357	5.0337	5.0329
Bottom	-4.9751	-4.9742	-4.9719	-4.9710
Gap	10.0116			10.0039
Taper				-0.0076

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0342	-4.9730	10.0072	0.0306

Additional Calculated Values

Bottom Pole #1 Z Value	979.744
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	9.987
Reference Block Gap	6.806

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0001

07-JUN-2018
S/N = 011
D/S= 0001
Run= 5