Top Jaw Pole Tips

Mean TOP =   5.0487   Regression Line Ang. (mrad) =   0.0004

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   9.948

Mean BTM =   -4.9422   Regression Line Ang. (mrad) =   -0.0039

Y Value Scales Centered on Mean Values   Regression Line Through Points =
Step Between Measured Pole Tips =   1

Regression Line Through Points =

Dimensions in mm

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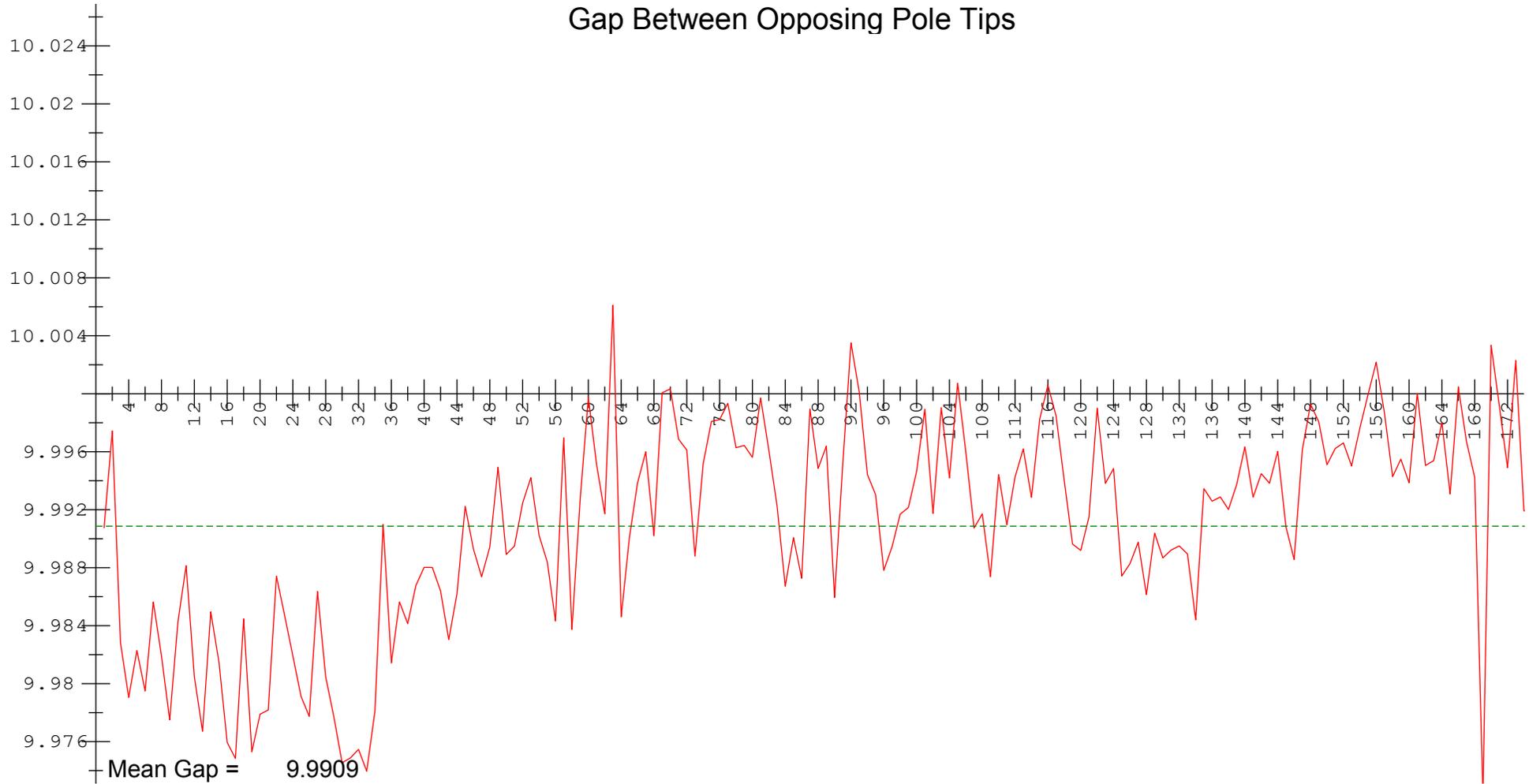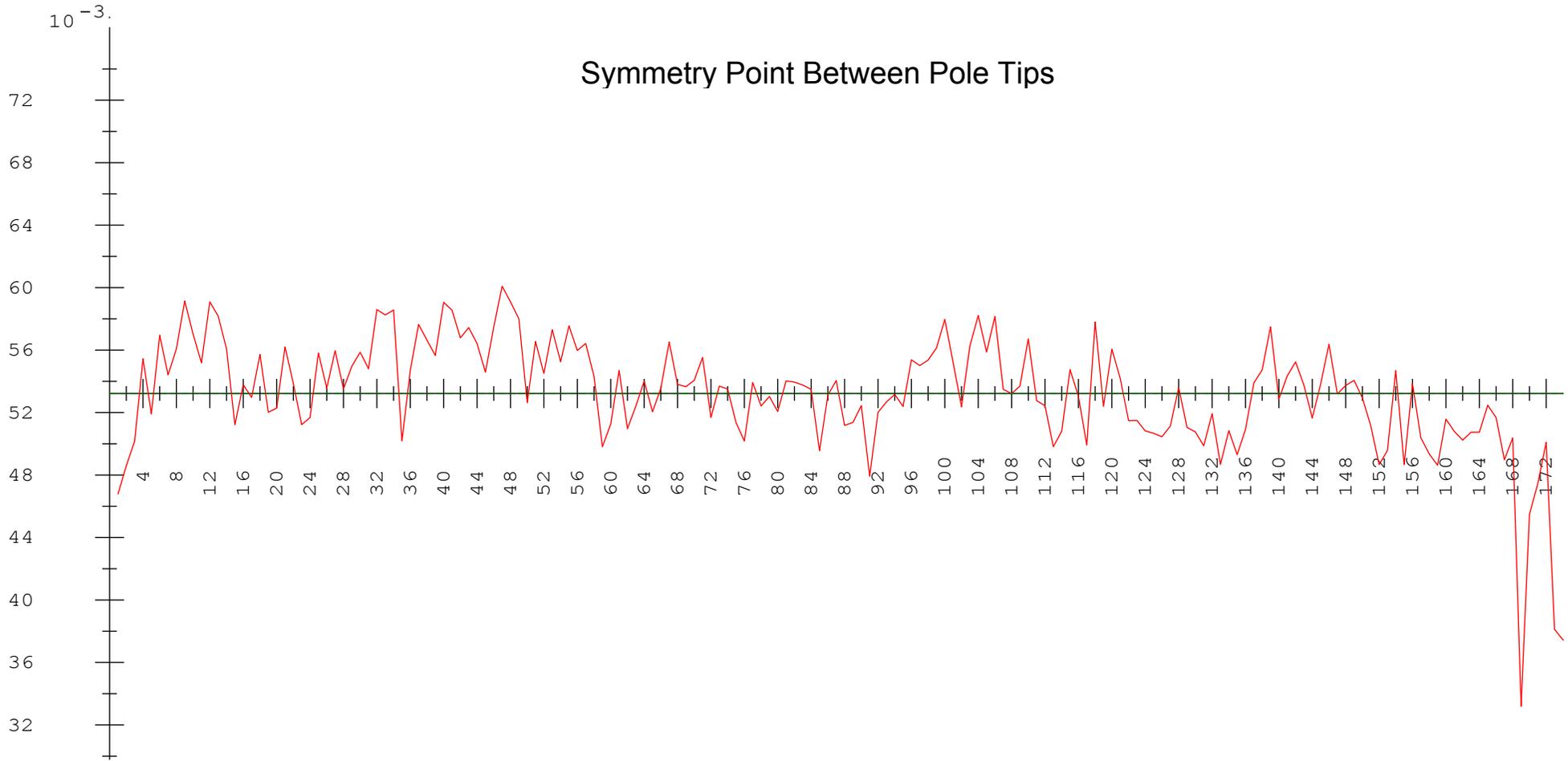METROLOGY

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

14-FEB-2019
S/N =   020
D/S=   0001
Run=   7

Gap Between Opposing Pole Tips

Mean Gap =   9.9909

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

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

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METROLOGY

14-FEB-2019
S/N =   020
D/S=   0001
Run=   7

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0532

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

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

14-FEB-2019
S/N =   020
D/S=   0001
Run=   7

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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	5.0480	5.0483	5.0490	5.0493
Bottom	-4.9356	-4.9385	-4.9458	-4.9488
Gap	9.9836			9.9982
Taper				0.0146

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0487	-4.9422	9.9909	0.0532

Additional Calculated Values

Bottom Pole #1 Z Value	980.504
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	-0.004
Minimum Effective Gap	9.948
Reference Block Gap	6.811

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 = 10.0000

14-FEB-2019
S/N = 020
D/S= 0001
Run= 7