Top Jaw Pole Tips

Y Dev. from Mean

Mean TOP =   5.0812   Regression Line Ang. (mrad) =   -0.0005

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   9.959

Y Dev. from Mean

Mean BTM =   -4.9239   Regression Line Ang. (mrad) =   -0.0001

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

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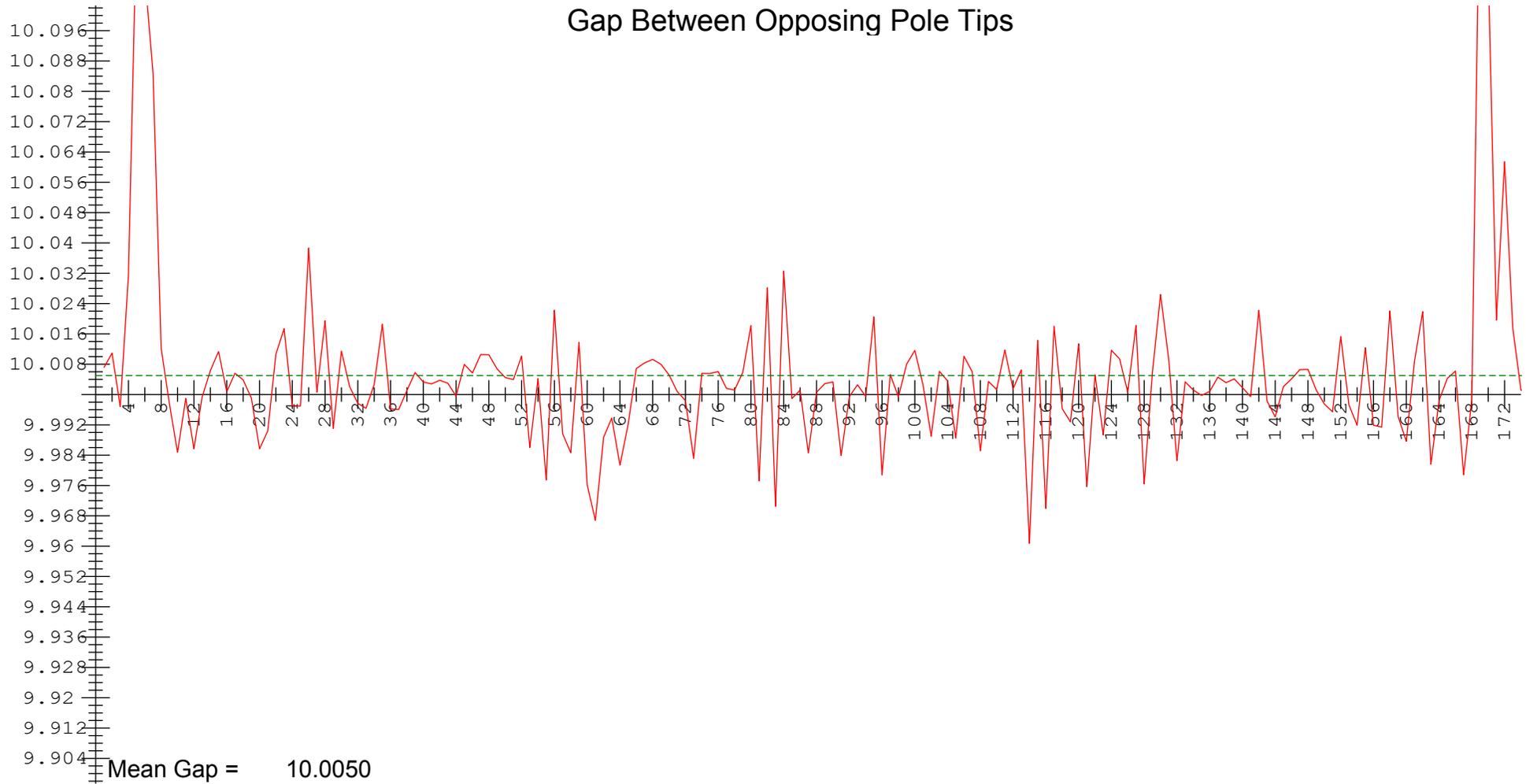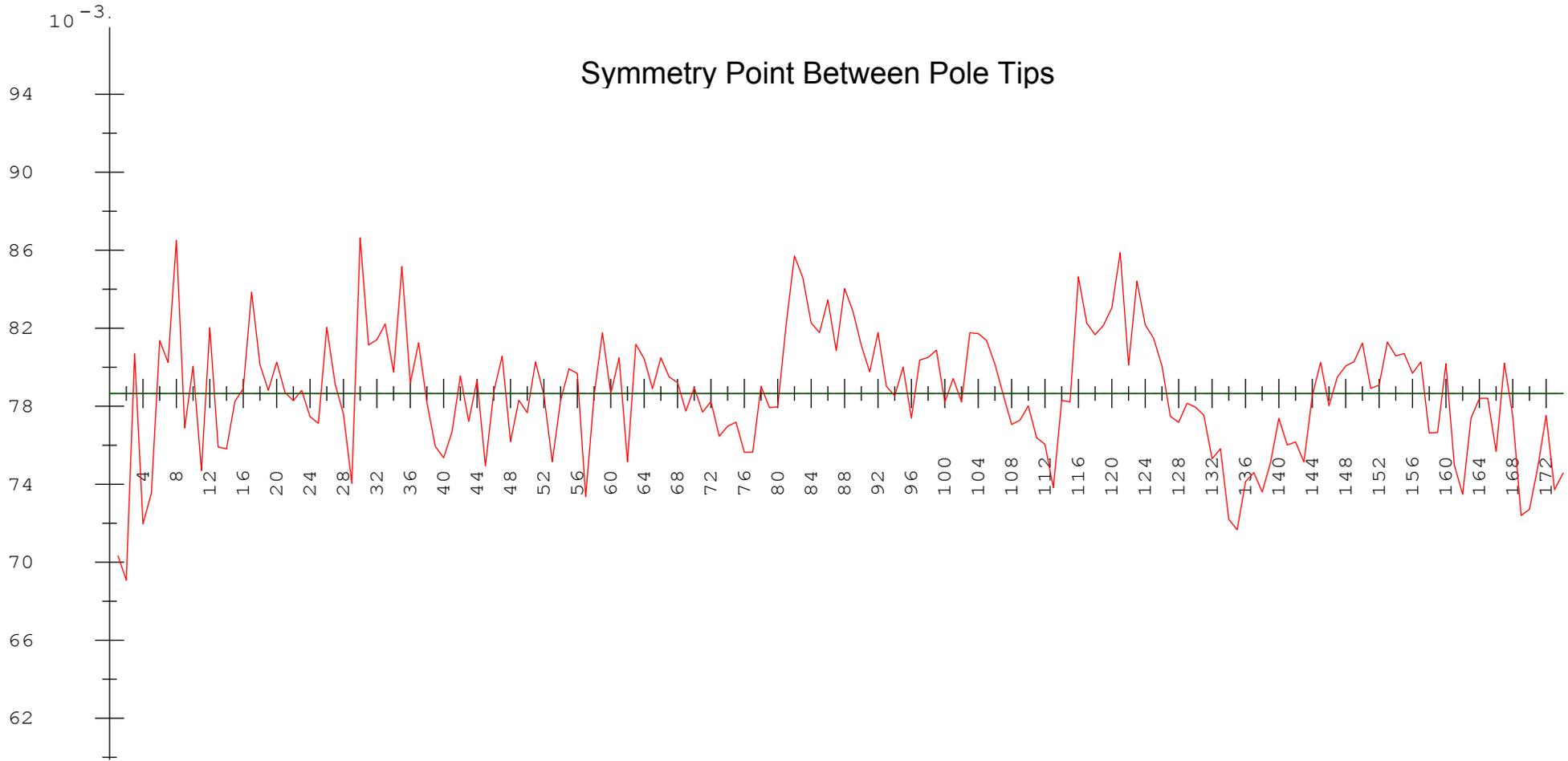**METROLOGY**

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

19-OCT-2018
S/N =   015
D/S=   0001
Run=   12

Gap Between Opposing Pole Tips

Mean Gap =   10.0050

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

19-OCT-2018
S/N =   015
D/S=   0001
Run=   12

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0787

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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S/N =   015
D/S=   0001
Run=   12

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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	5.0820	5.0816	5.0807	5.0803
Bottom	-4.9236	-4.9237	-4.9240	-4.9241
Gap	10.0056			10.0044
Taper				-0.0012

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0812	-4.9239	10.0050	0.0787

Additional Calculated Values

Bottom Pole #1 Z Value	980.397
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	9.959
Reference Block Gap	6.806

Dimensions in mm

METROLOGY

NATIONAL ACCELERATOR LABORATORY

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

19-OCT-2018
S/N =   015
D/S=   0001
Run=   12