Top Jaw Pole Tips

Y Dev.from Mean

Mean TOP =   7.5468   Regression Line Ang. (mrad) =   0.0033

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   14.940

Y Dev.from Mean

Mean BTM =   -7.4424   Regression Line Ang. (mrad) =   0.0026

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   7

Regression Line Through Points =

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 15   Nominal Taper = 0.000
Gap Reading = 15.0000   US Encoder = 15.0001   DS Encoder = 15.0000

11-FEB-2019
S/N =   020
D/S=   0001
Run=   10

Gap Between Opposing Pole Tips

Mean Gap =   14.9892

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 15   Nominal Taper = 0.000

Gap Reading = 15.0000   US Encoder = 15.0001   DS Encoder = 15.0000
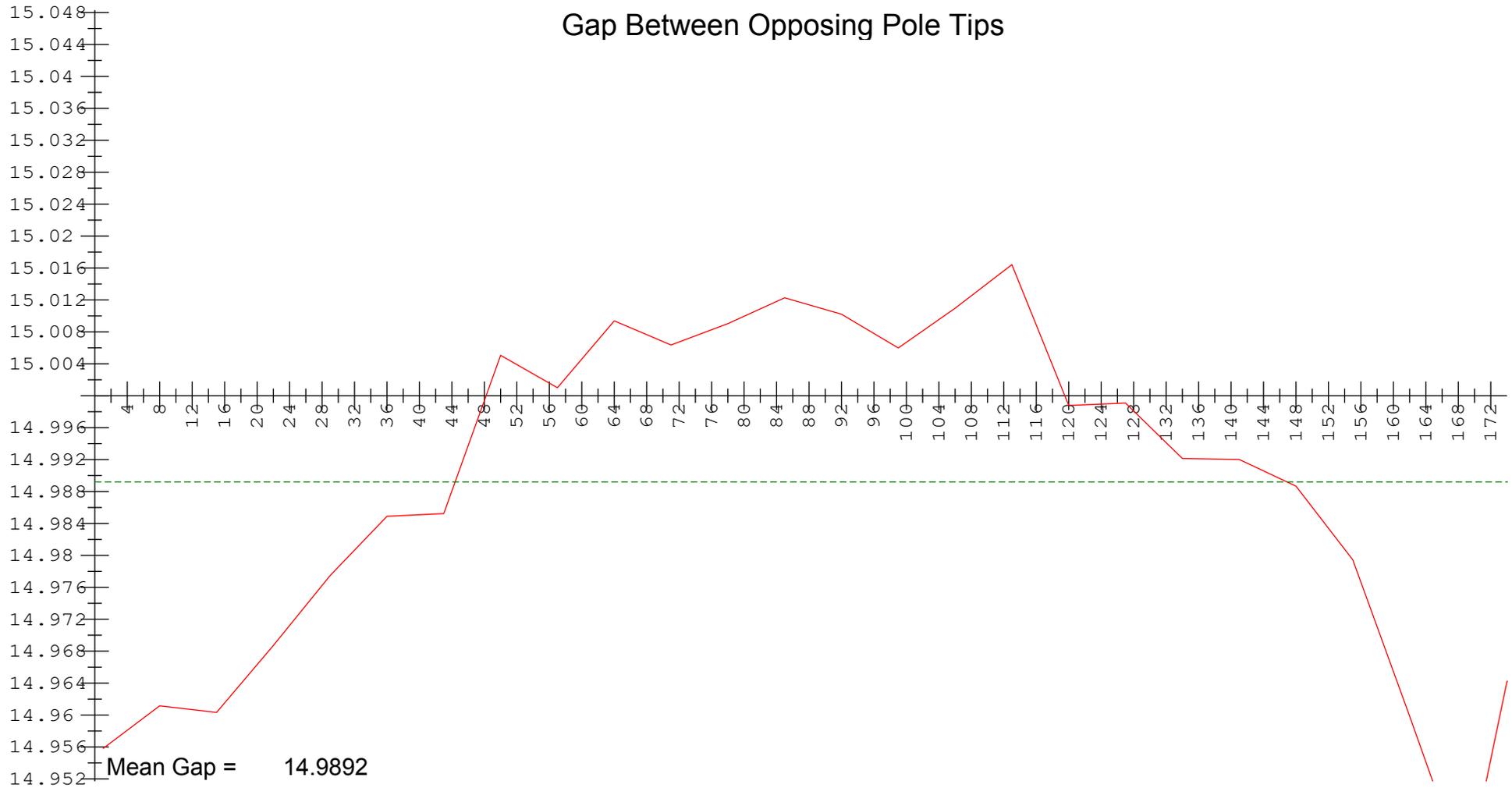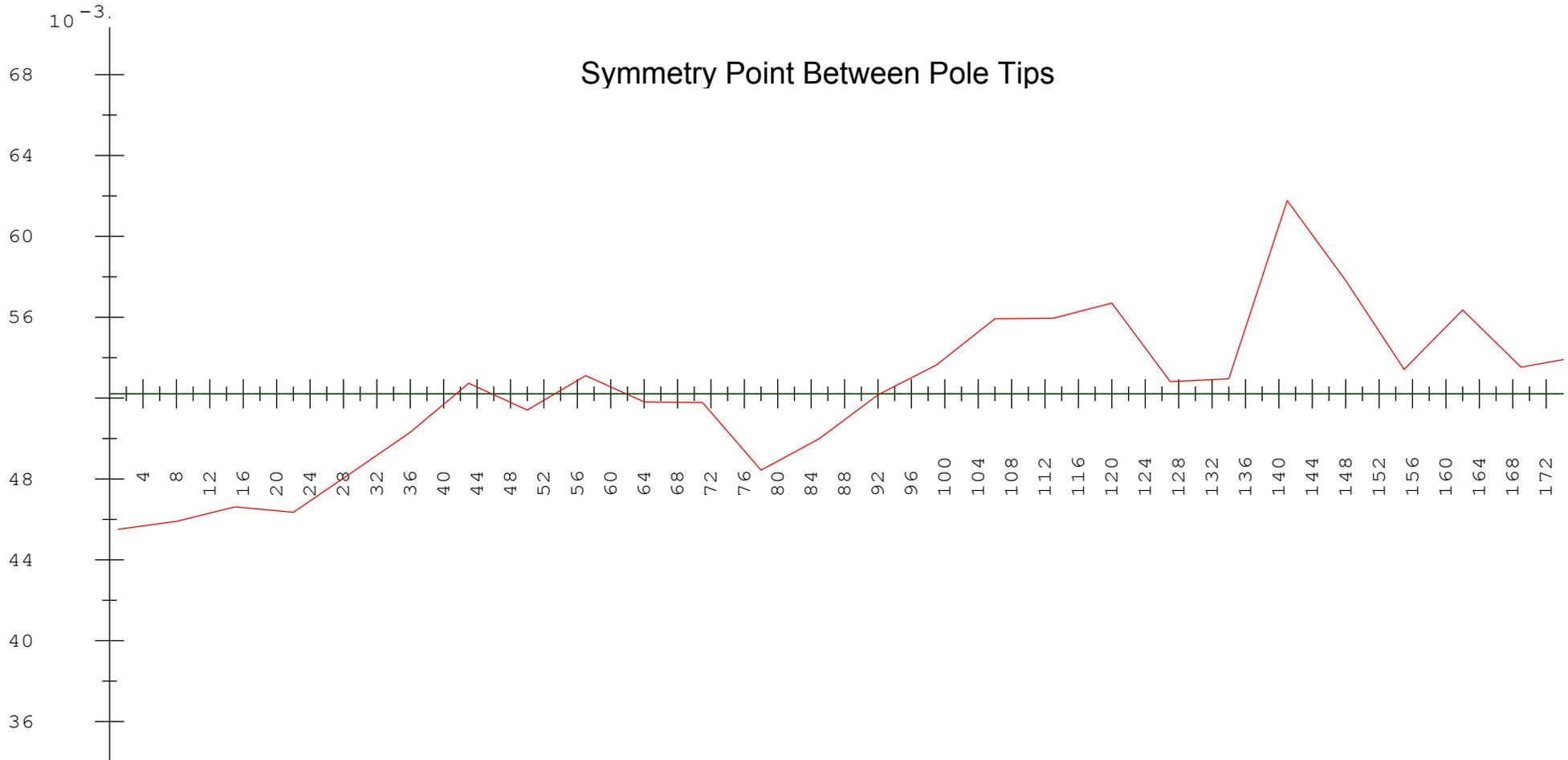
11-FEB-2019
S/N =   020
D/S=   0001
Run=   10

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Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0522

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 15   Nominal Taper = 0.000

Gap Reading = 15.0000   US Encoder = 15.0001   DS Encoder = 15.0000

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11-FEB-2019
S/N =   020
D/S=   0001
Run=   10

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	7.5407	7.5432	7.5494	7.5519
Bottom	-7.4463	-7.4443	-7.4395	-7.4375
Gap	14.9870			14.9895
Taper				0.0025

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.5468	-7.4424	14.9892	0.0522

Additional Calculated Values

Bottom Pole #1 Z Value	980.504
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	0.003
Minimum Effective Gap	14.940
Reference Block Gap	6.811

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 15   Nominal Taper = 0.000
Gap Reading = 15.0000   US Encoder = 15.0001   DS Encoder = 15.0000

11-FEB-2019
S/N = 020
D/S= 0001
Run= 10