Top Jaw Pole Tips

Mean TOP = 10.2424   Regression Line Ang. (mrad) = 0.0090

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 19.973
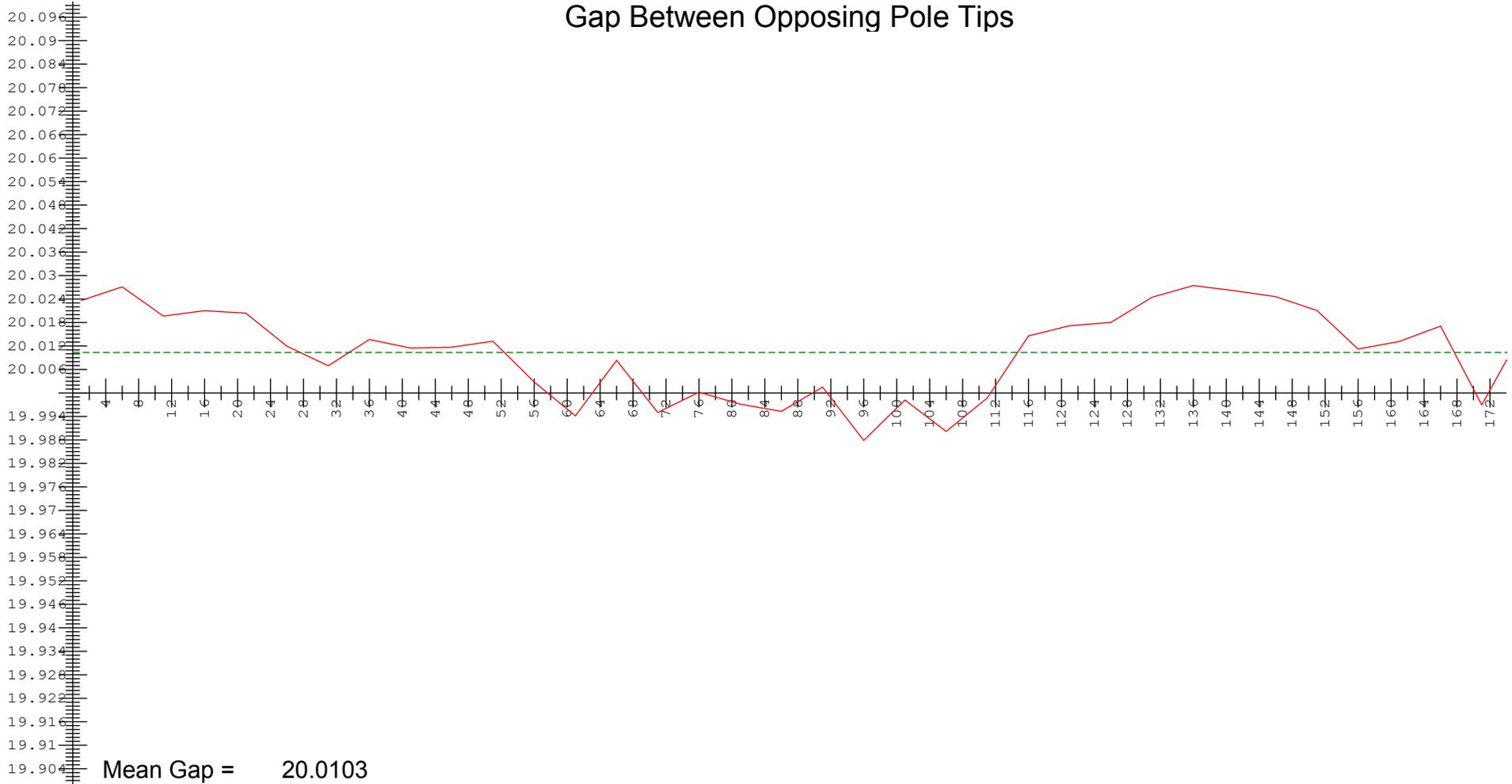
Mean BTM = -9.7680   Regression Line Ang. (mrad) = 0.0095

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 5

Regression Line Through Points =
Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 20
Gap Reading = 20.0000   US Encoder = 20.0000   DS Encoder = 20.0000

05-FEB-2018
S/N = 005
D/S= 0001
Run= 06

Gap Between Opposing Pole Tips

Mean Gap =   20.0103

Step Between Measured Pole Tips =   5   Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 20
Gap Reading = 20.0000   US Encoder = 20.0000   DS Encoder = 20.0000
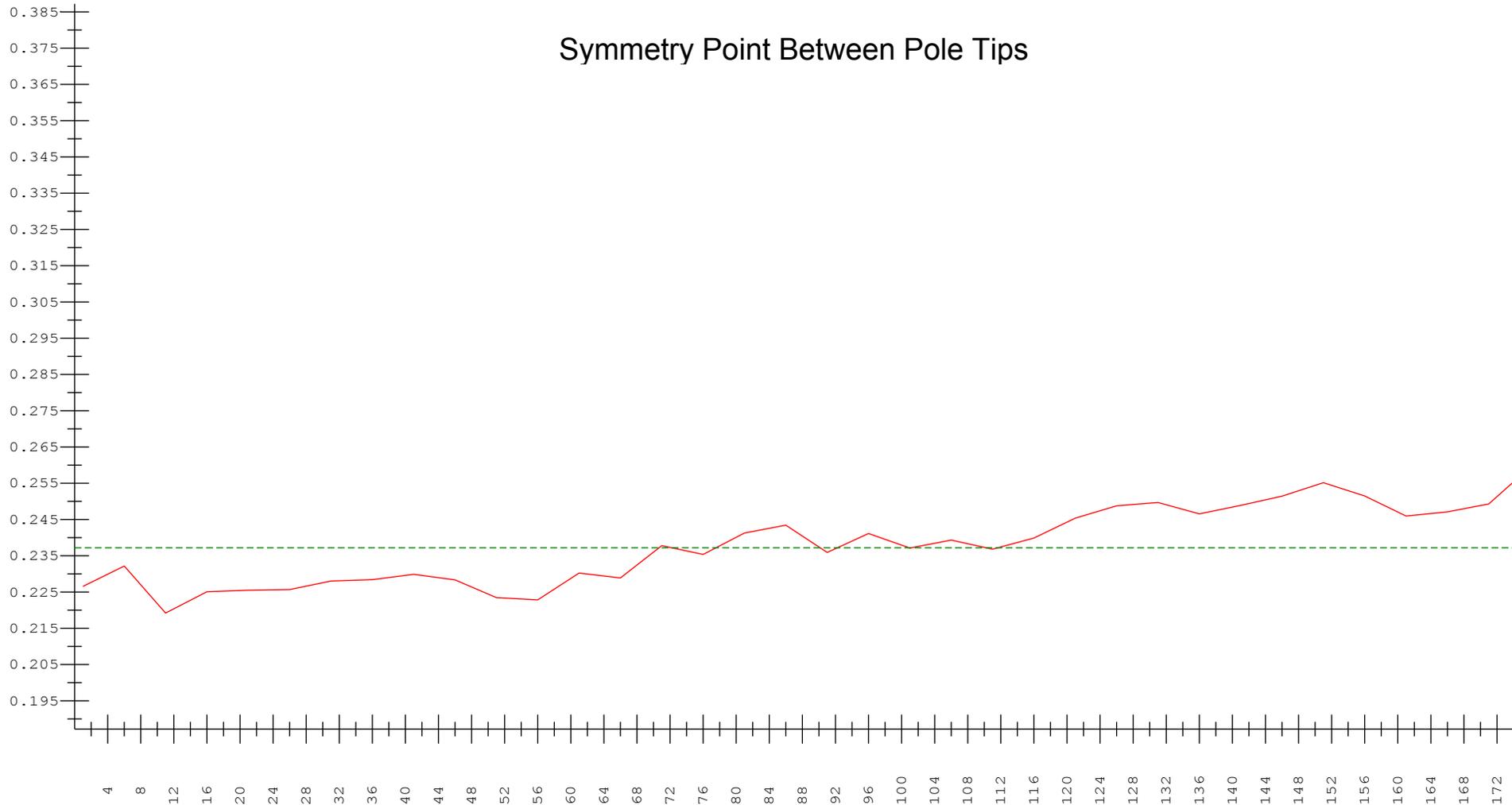
05-FEB-2018
S/N =   005
D/S=   0001
Run=   06

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.2372

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 20

Gap Reading = 20.0000   US Encoder = 20.0000   DS Encoder = 20.0000

05-FEB-2018
S/N =   005
D/S=   0001
Run=   06

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	10.2275	10.2342	10.2510	10.2579
Bottom	-9.7836	-9.7766	-9.7588	-9.7516

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
10.2424	-9.7680	20.0103	0.2372

Additional Calculated Values

Bottom Pole #1 Z Value	979.331
Top Jaw Pitch (mrad)	0.009
Bottom Jaw Pitch(mrad)	0.009
Minimum Effective Gap	19.973
Reference Block Gap	6.808

Dimensions in mm

METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 20
Gap Reading = 20.0000   US Encoder = 20.0000   DS Encoder = 20.0000

05-FEB-2018
S/N = 005
D/S= 0001
Run= 06