Top Jaw Pole Tips

Mean TOP =   7.7296   Regression Line Ang. (mrad) =   0.0092

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   14.973

Mean BTM =   -7.2787   Regression Line Ang. (mrad) =   0.0101
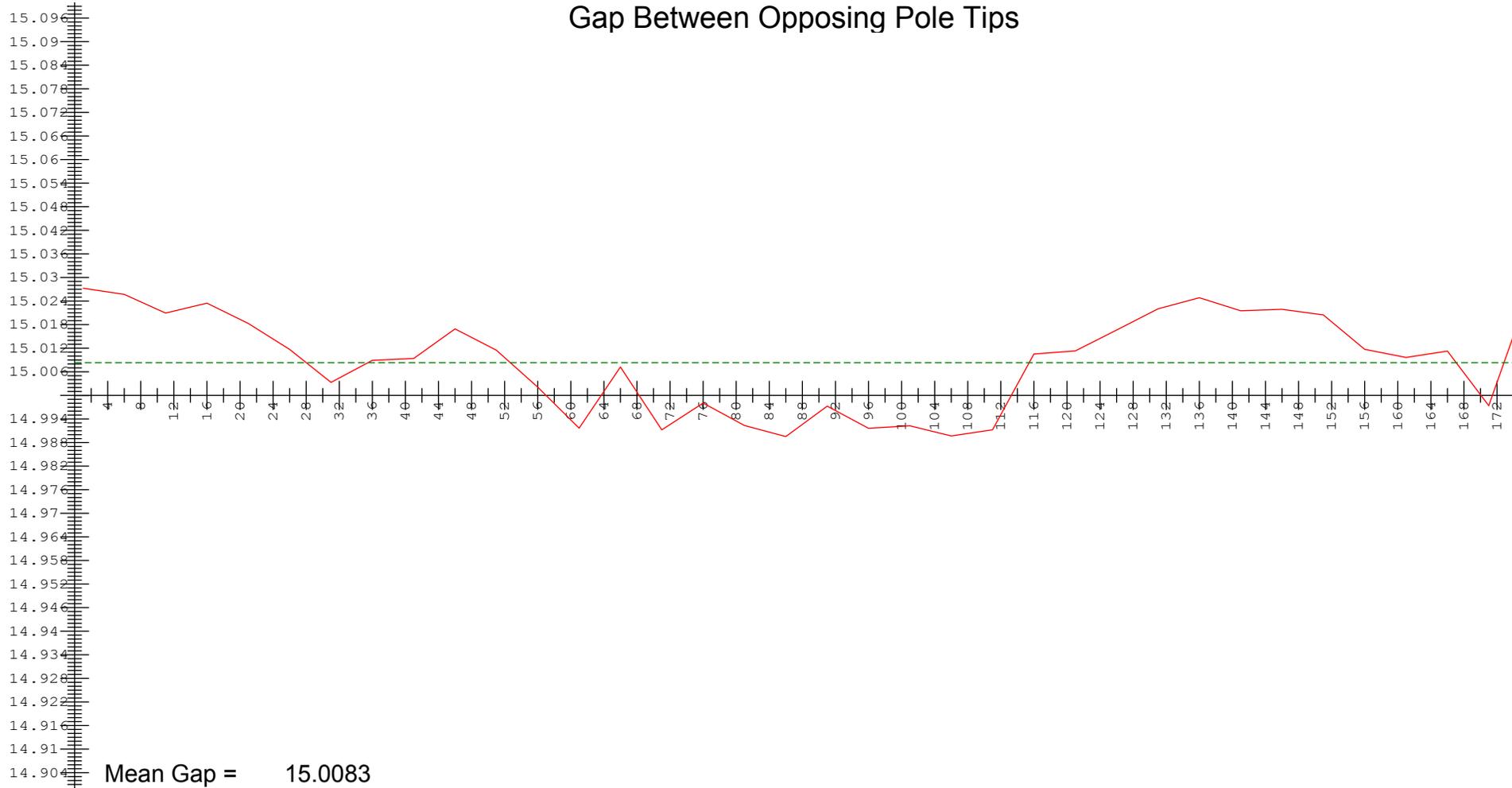
Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   5

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

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METROLOGY

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

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

Gap Between Opposing Pole Tips

Mean Gap =   15.0083

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 15

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

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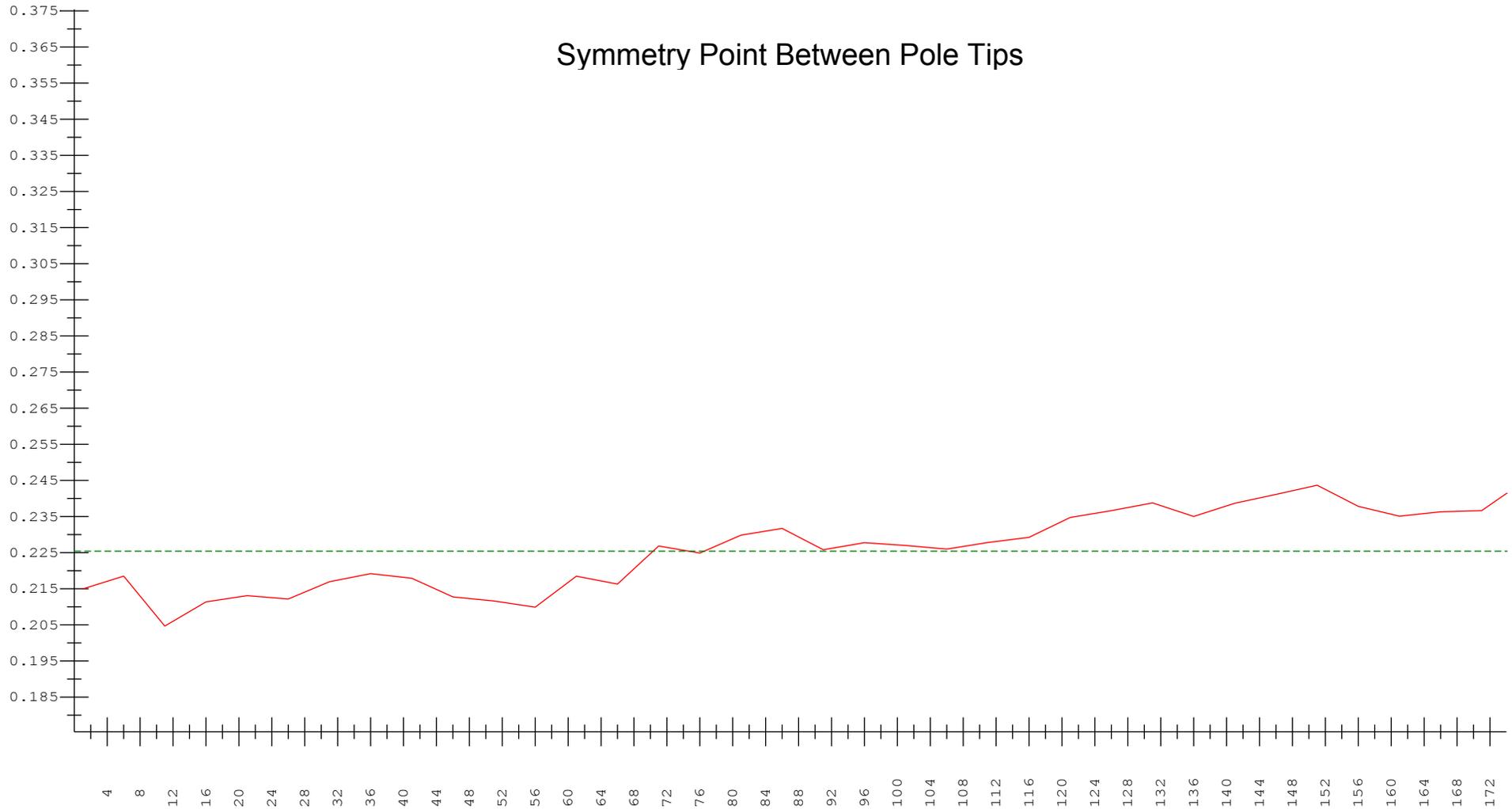METROLOGY

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

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.2254

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 15

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

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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	7.7145	7.7213	7.7384	7.7454
Bottom	-7.2957	-7.2882	-7.2692	-7.2615

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.7296	-7.2787	15.0083	0.2254

Additional Calculated Values

Bottom Pole #1 Z Value	979.331
Top Jaw Pitch (mrad)	0.009
Bottom Jaw Pitch(mrad)	0.010
Minimum Effective Gap	14.973
Reference Block Gap	6.808

Dimensions in mm

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METROLOGY

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

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