Top Jaw Pole Tips

Mean TOP =   5.7939   Regression Line Ang. (mrad) =   0.0045

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   11.476

Mean BTM =   -5.7114   Regression Line Ang. (mrad) =   0.0071
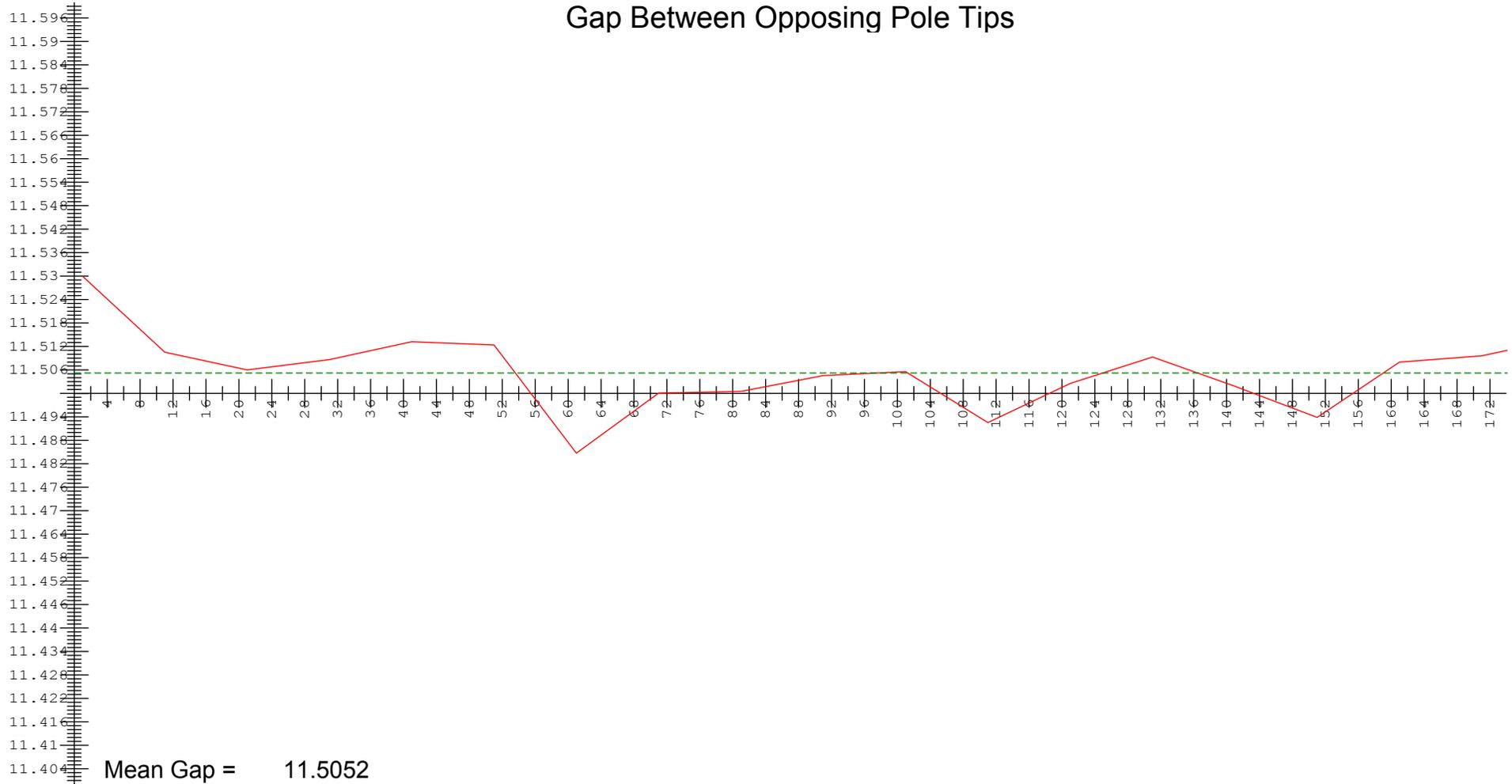
Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   10

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

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LCLS II - SXR Undulator
Nominal Gap = 11.5
Gap Reading = 11.5000   US Encoder = 11.5000   DS Encoder = 11.5000

12-DEC-2017
S/N =   006
D/S=   0001
Run=   07

Gap Between Opposing Pole Tips

Mean Gap =   11.5052

Step Between Measured Pole Tips =   10

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 11.5

Gap Reading = 11.5000   US Encoder = 11.5000   DS Encoder = 11.5000

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METROLOGY
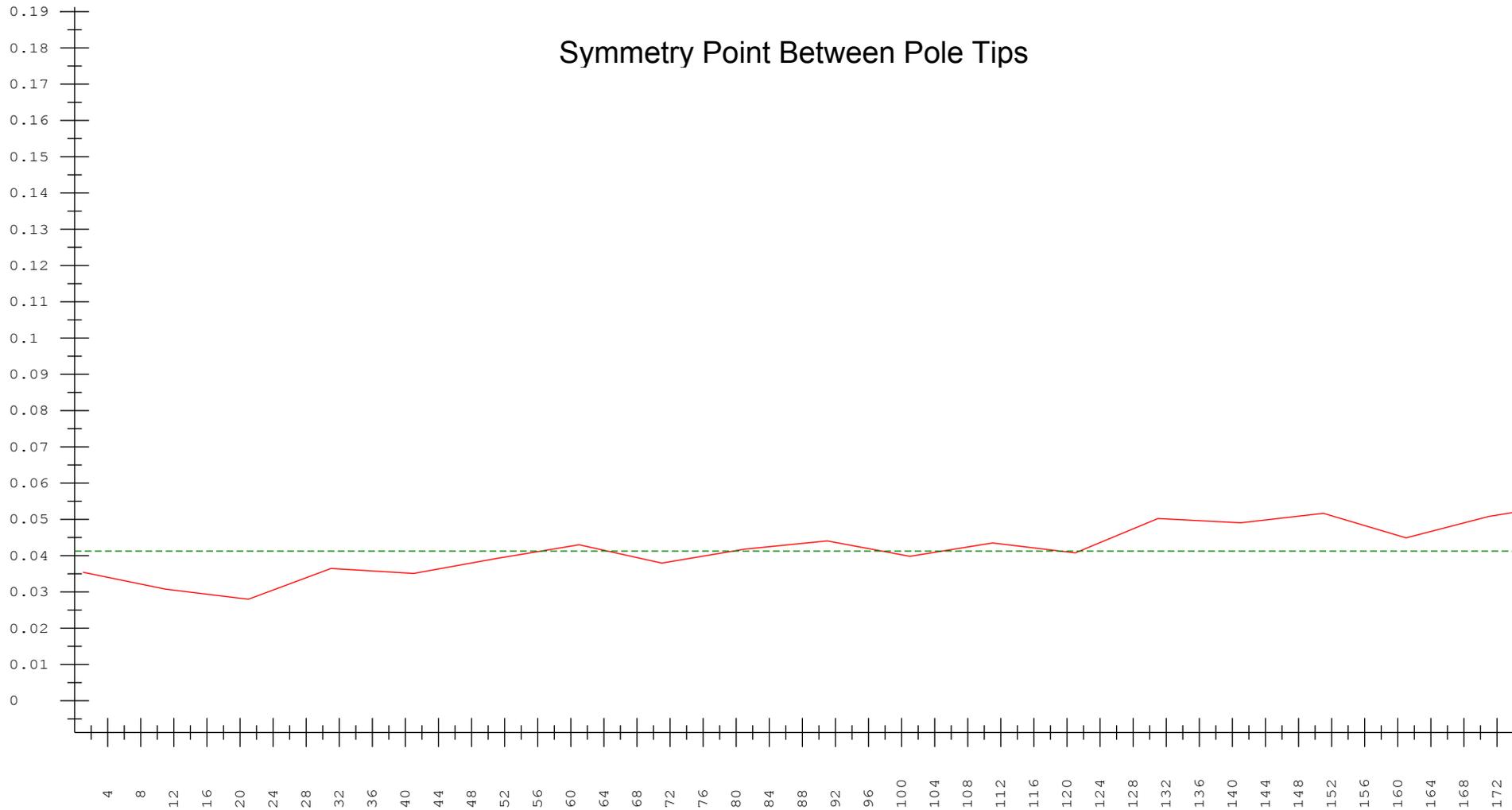
12-DEC-2017
S/N =   006
D/S=   0001
Run=   07

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0412

Step Between Measured Pole Tips =   10

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 11.5

Gap Reading = 11.5000   US Encoder = 11.5000   DS Encoder = 11.5000

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D/S=   0001
Run=   07

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	5.7868	5.7901	5.7984	5.8018
Bottom	-5.7233	-5.7181	-5.7048	-5.6995

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.7939	-5.7114	11.5052	0.0412

Additional Calculated Vlaues

Bottom Pole #1 Z Value	979.309
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	0.007
Minimum Effective Gap	11.476
Reference Block Gap	6.808

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 11.5

Gap Reading = 11.5000   US Encoder = 11.5000   DS Encoder = 11.5000

12-DEC-2017
S/N = 006
D/S= 0001
Run= 07