Top Jaw Pole Tips

Mean TOP = 3.7627   Regression Line Ang. (mrad) = 0.0005

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 7.346

Mean BTM = -3.6177   Regression Line Ang. (mrad) = 0.0104

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 = 7.4   Nominal Taper = 0
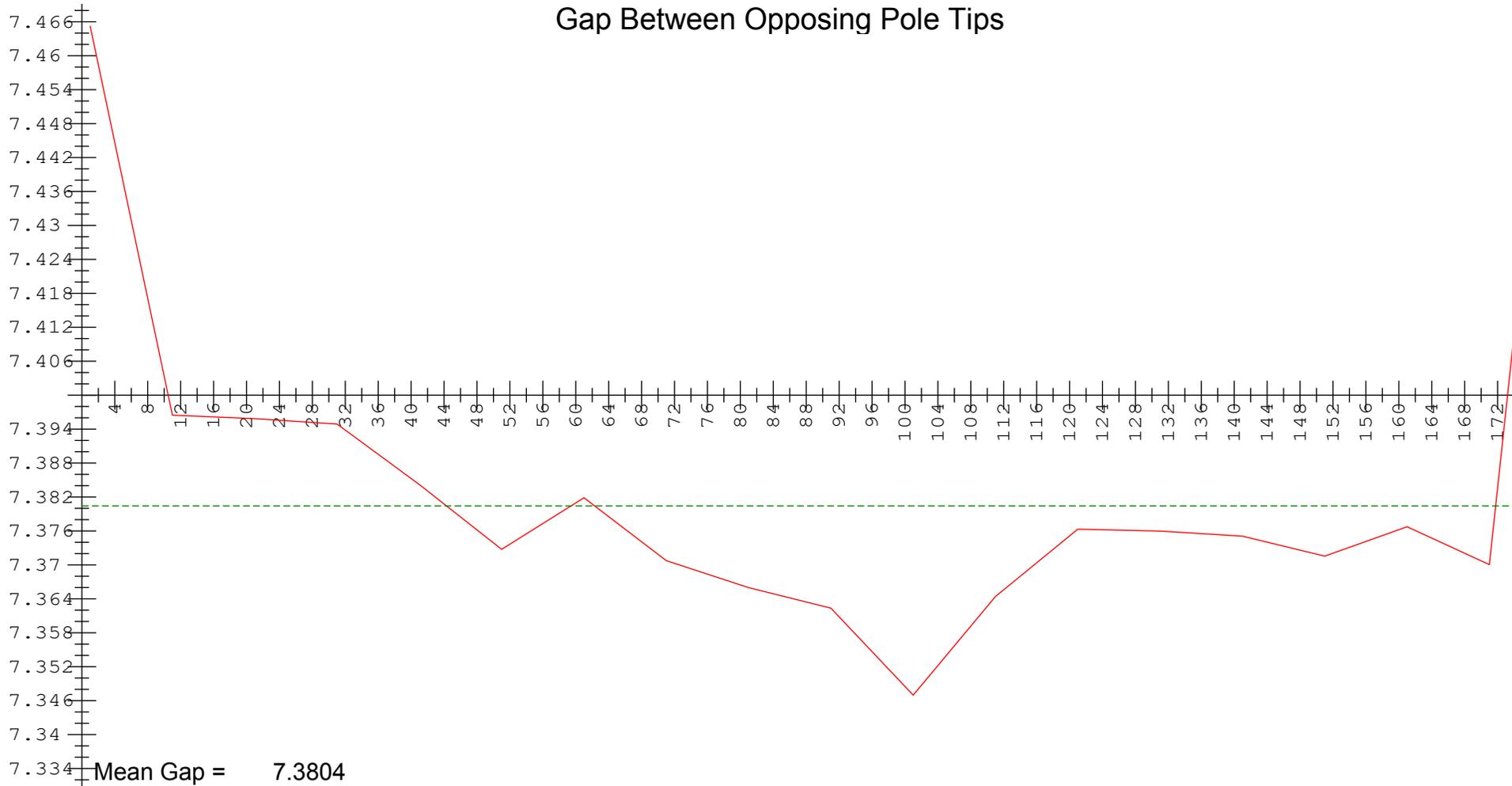Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

29-MAR-2018
S/N = 008
D/S= 0001
Run= 8

Gap Between Opposing Pole Tips

Mean Gap =   7.3804

Step Between Measured Pole Tips =   10

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 7.4   Nominal Taper = 0
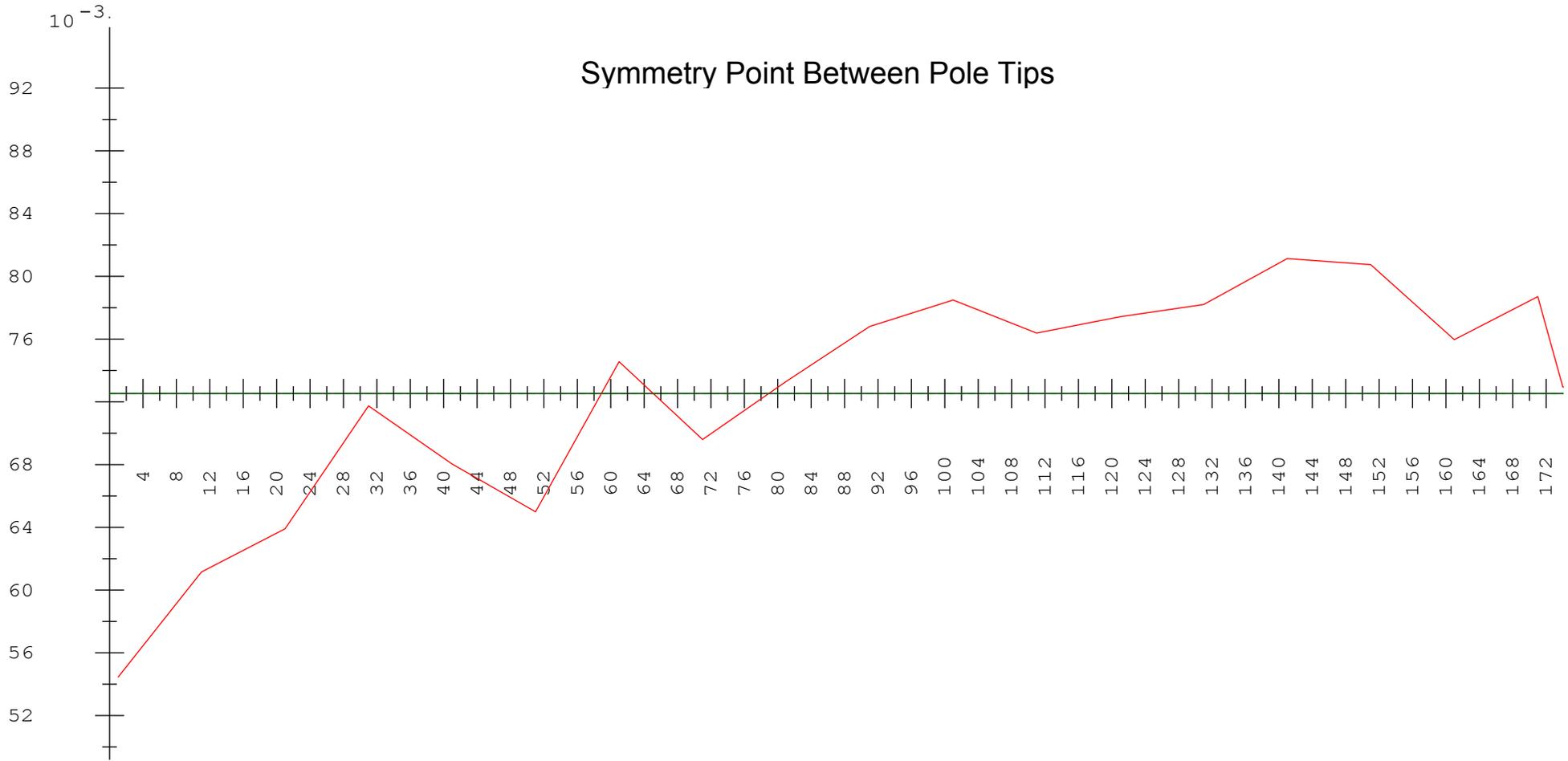Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

29-MAR-2018
S/N =   008
D/S=   0001
Run=   8

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0725

Step Between Measured Pole Tips =   10

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 7.4   Nominal Taper = 0

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

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D/S=   0001
Run=   8

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	3.7627	3.7631	3.7640	3.7643
Bottom	-3.6366	-3.6289	-3.6095	-3.6016
Gap	7.3993			7.3659
Taper				-0.0334

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.7627	-3.6177	7.3804	0.0725

Additional Calculated Values

Bottom Pole #1 Z Value	979.390
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.010
Minimum Effective Gap	7.346
Reference Block Gap	6.803

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 7.4   Nominal Taper = 0
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

29-MAR-2018
S/N = 008
D/S = 0001
Run = 8