Top Jaw Pole Tips

Y Dev. from Mean

Mean TOP = 3.6782   Regression Line Ang. (mrad) = 0.0051

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 7.350

Y Dev. from Mean

Mean BTM = -3.7244   Regression Line Ang. (mrad) = 0.0089

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 = 7.4   Nominal Taper = 0.000
Gap Reading = 7.4000   US Encoder = 7.4000   DS Encoder = 7.3999

15-MAR-2019
S/N = 022
D/S = 0001
Run = 3

Gap Between Opposing Pole Tips
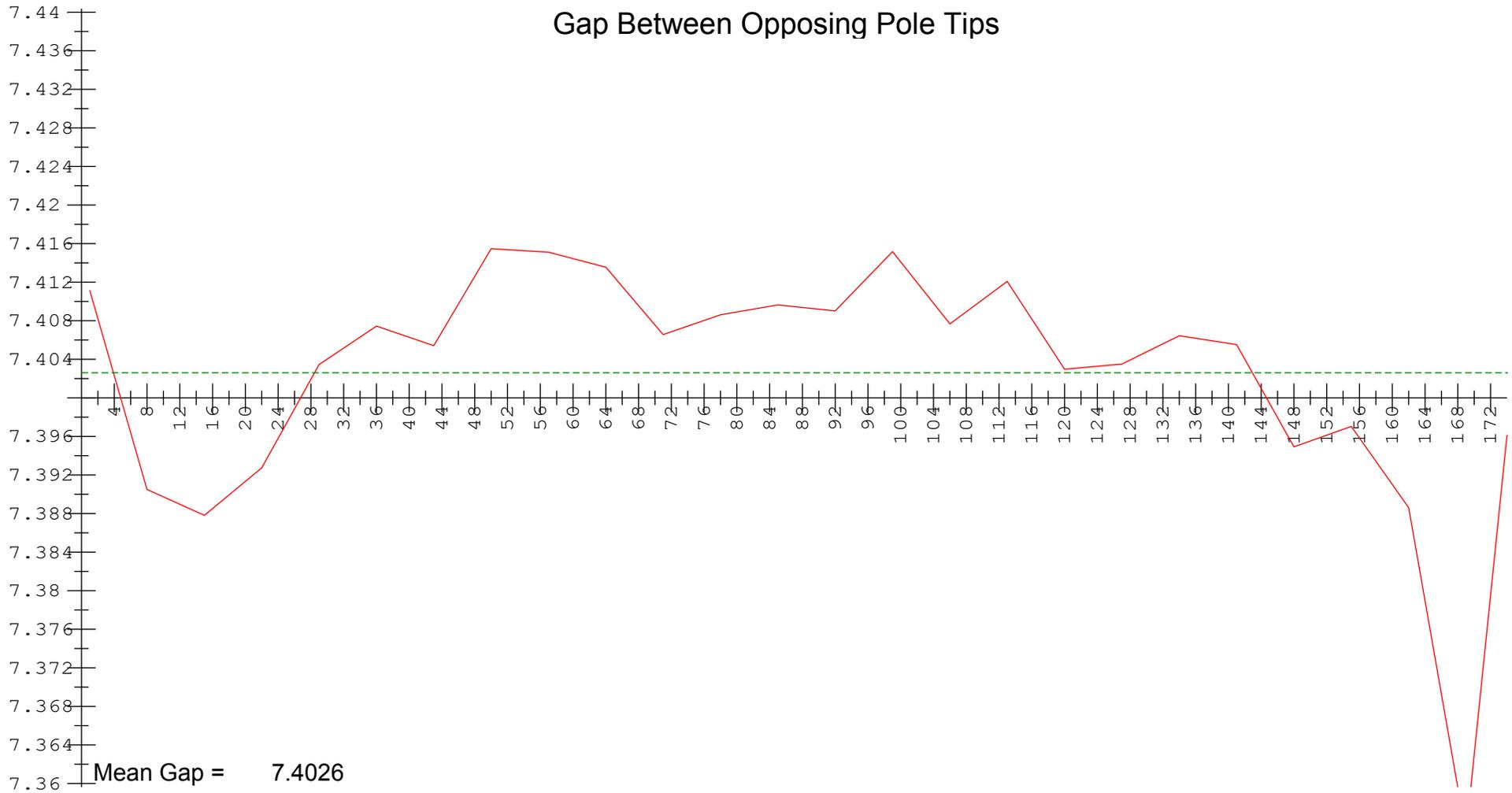
Mean Gap =   7.4026

Step Between Measured Pole Tips =   7
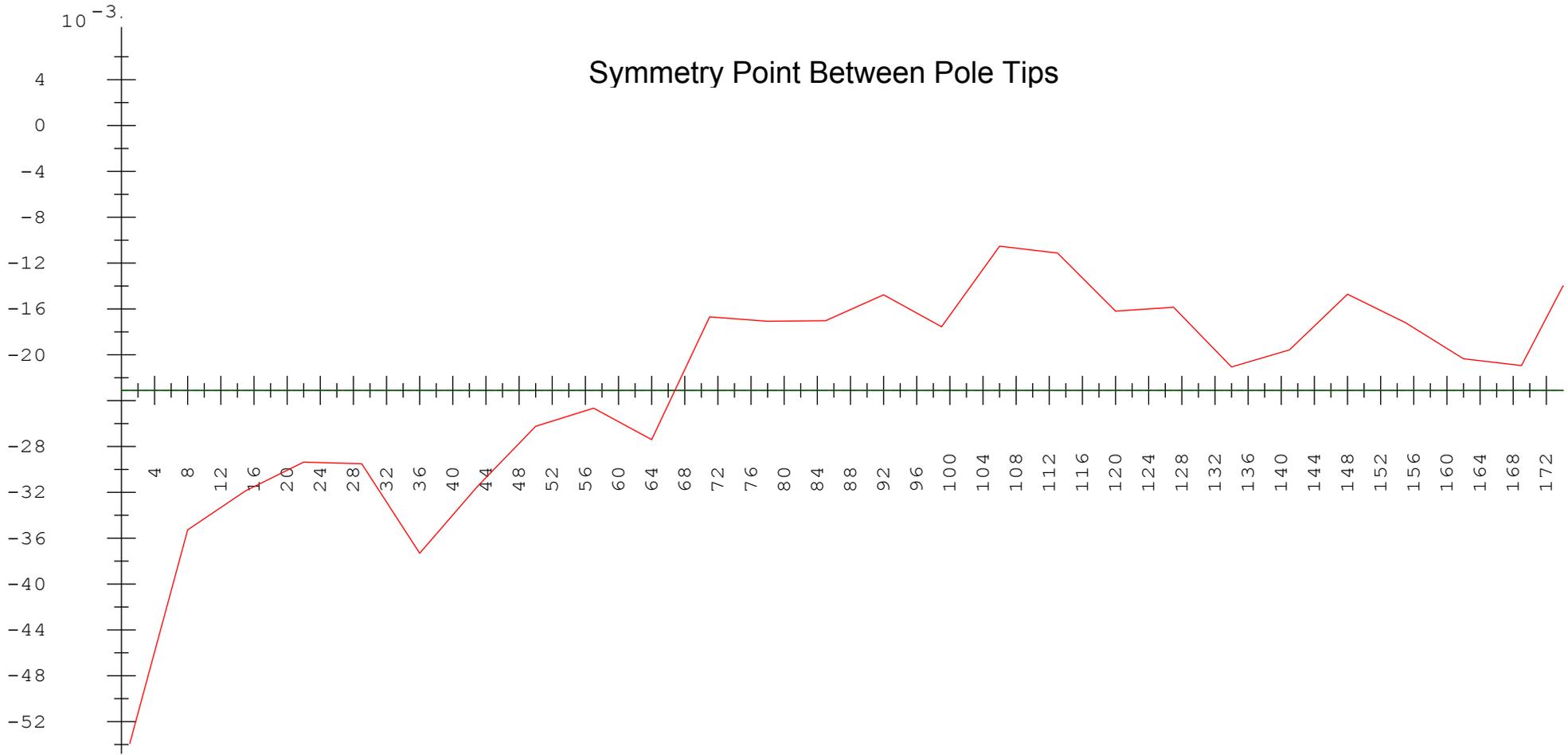
Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 7.4   Nominal Taper = 0.000

Gap Reading = 7.4000   US Encoder = 7.4000   DS Encoder = 7.3999

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D/S=   0001
Run=   3

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Symmetry Point Between Pole Tips

Mean Symmetry Value =   -0.0231

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 7.4   Nominal Taper = 0.000

Gap Reading = 7.4000   US Encoder = 7.4000   DS Encoder = 7.3999

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D/S=   0001
Run=   3

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	3.6697	3.6735	3.6831	3.6870
Bottom	-3.7391	-3.7325	-3.7159	-3.7091
Gap	7.4087			7.3961
Taper				-0.0126

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.6782	-3.7244	7.4026	-0.0231

Additional Calculated Values

Bottom Pole #1 Z Value	980.569
Top Jaw Pitch (mrad)	0.005
Bottom Jaw Pitch(mrad)	0.009
Minimum Effective Gap	7.350
Reference Block Gap	6.809

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 7.4   Nominal Taper = 0.000
Gap Reading = 7.4000   US Encoder = 7.4000   DS Encoder = 7.3999

15-MAR-2019
S/N = 022
D/S= 0001
Run= 3