Top Jaw Pole Tips

Mean TOP = 3.6334   Regression Line Ang. (mrad) = 0.0064

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 7.317

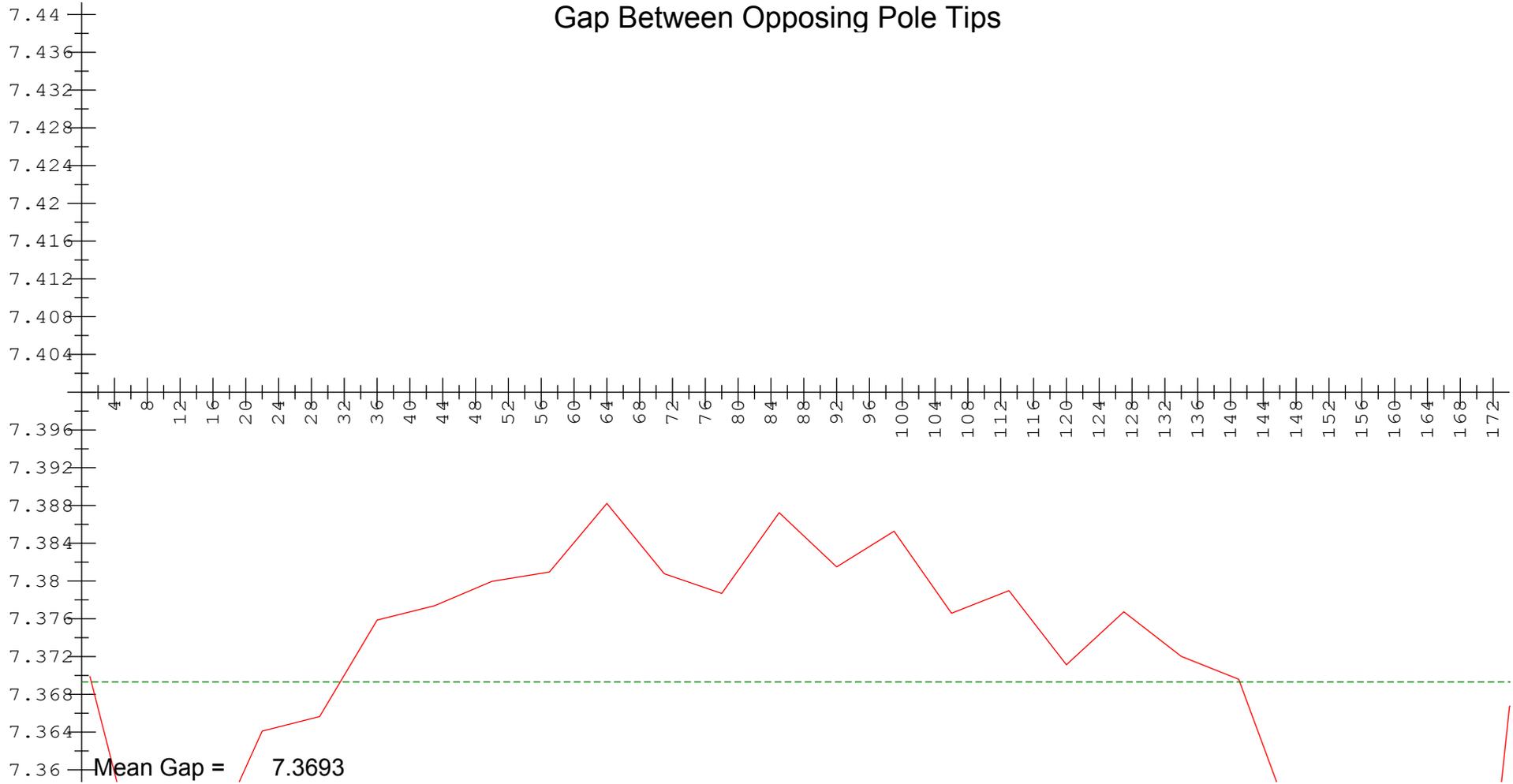Mean BTM = -3.7360   Regression Line Ang. (mrad) = 0.0101

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 7

Regression Line Through Points =
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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21-AUG-2018
S/N = 014
D/S= 0001
Run= 2

Gap Between Opposing Pole Tips

Mean Gap =   7.3693

Step Between Measured Pole Tips =   7   Dimensions in mm
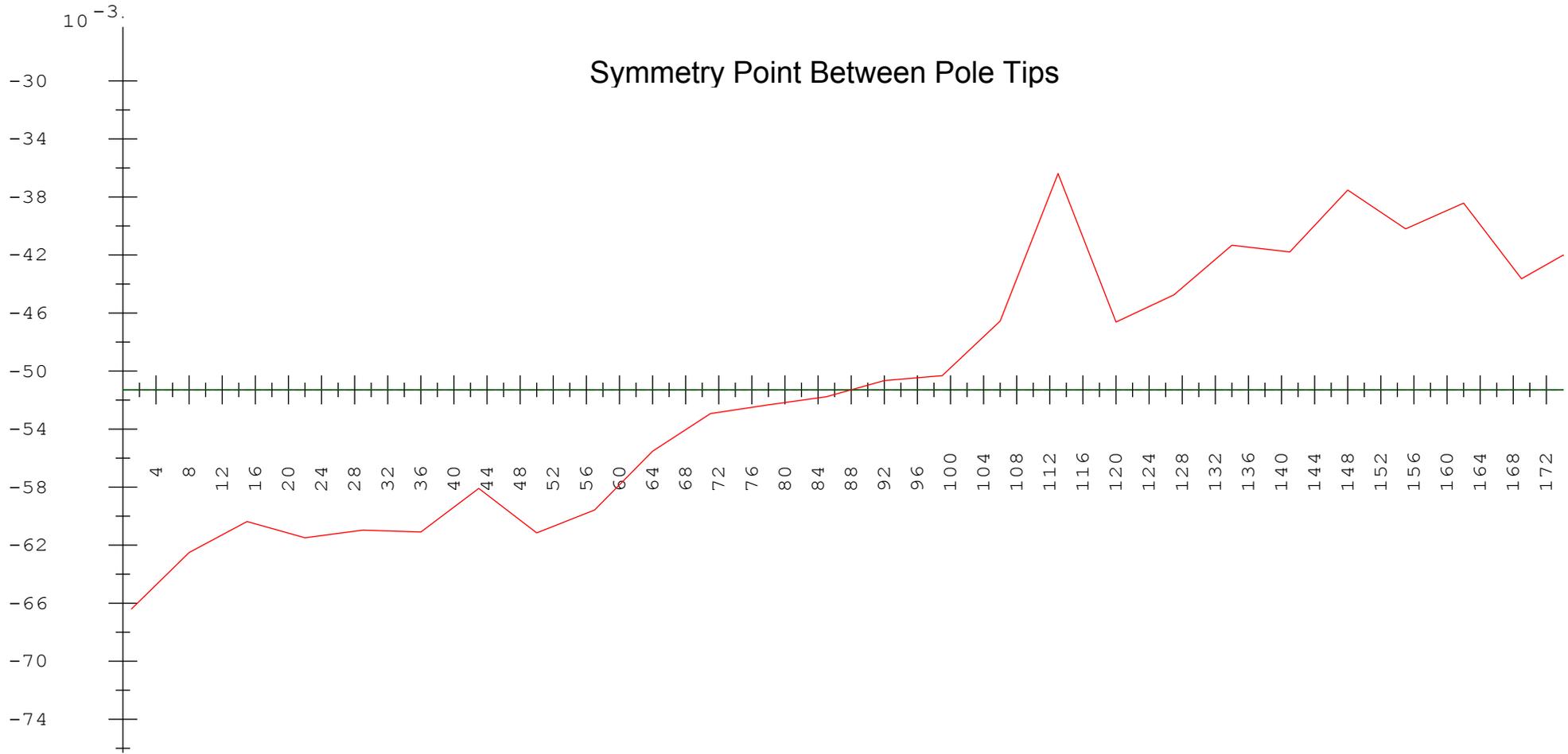

LCLS II - SXR Undulator

Nominal Gap = 7.4   Nominal Taper = 0.000

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

21-AUG-2018
S/N =   014
D/S=   0001
Run=   2

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Symmetry Point Between Pole Tips

Mean Symmetry Value =   -0.0513

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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21-AUG-2018
S/N =   014
D/S=   0001
Run=   2

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	3.6228	3.6275	3.6395	3.6443
Bottom	-3.7528	-3.7453	-3.7263	-3.7186
Gap	7.3756			7.3630
Taper				-0.0126

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.6334	-3.7360	7.3693	-0.0513

Additional Calculated Values

Bottom Pole #1 Z Value	979.941
Top Jaw Pitch (mrad)	0.006
Bottom Jaw Pitch(mrad)	0.010
Minimum Effective Gap	7.317
Reference Block Gap	6.806

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

21-AUG-2018
S/N = 014
D/S = 0001
Run = 2