Top Jaw Pole Tips

Y Dev. from Mean

Mean TOP = 7.5995   Regression Line Ang. (mrad) = 0.0006

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 14.994

Y Dev. from Mean

Mean BTM = -7.4197   Regression Line Ang. (mrad) = 0.0000

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

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

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METROLOGY

LCLS II - SXR Undulator
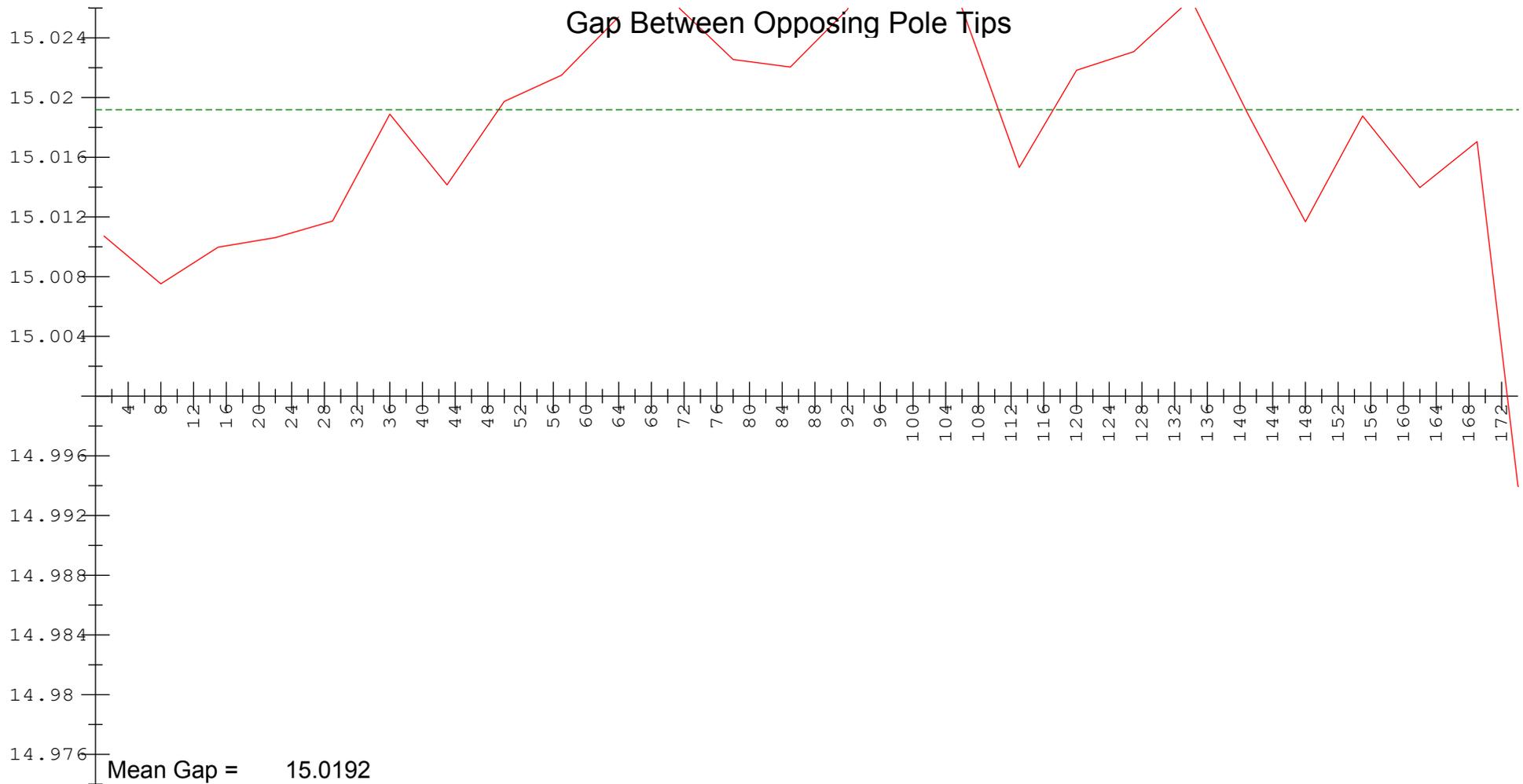Nominal Gap = 15   Nominal Taper = 0.000
Gap Reading = 15.0000   US Encoder = 15.0000   DS Encoder = 15.0001

22-JUN-2018
S/N = 012
D/S = 0001
Run = 13

Gap Between Opposing Pole Tips

Mean Gap =   15.0192

Step Between Measured Pole Tips =   7

Dimensions in mm

SLAC
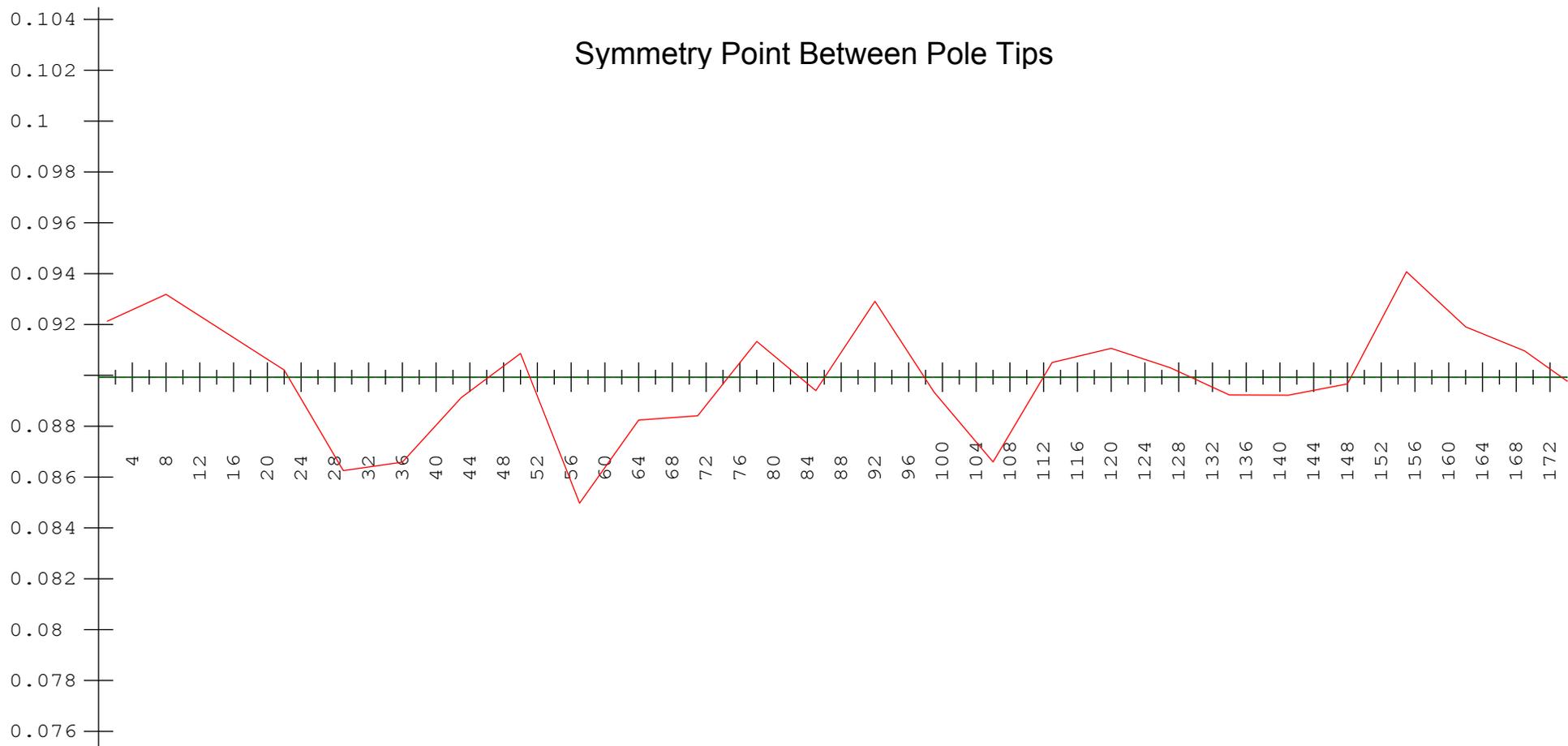NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 15   Nominal Taper = 0.000

Gap Reading = 15.0000   US Encoder = 15.0000   DS Encoder = 15.0001

22-JUN-2018
S/N =   012
D/S=   0001
Run=   13

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0899

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 15   Nominal Taper = 0.000

Gap Reading = 15.0000   US Encoder = 15.0000   DS Encoder = 15.0001

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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	7.5980	7.5985	7.5996	7.6000
Bottom	-7.4192	-7.4192	-7.4192	-7.4192
Gap	15.0172			15.0192
Taper				0.0020

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.5995	-7.4197	15.0192	0.0899

Additional Calculated Values

Bottom Pole #1 Z Value	979.792
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	14.994
Reference Block Gap	6.808

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 15   Nominal Taper = 0.000
Gap Reading = 15.0000   US Encoder = 15.0000   DS Encoder = 15.0001

22-JUN-2018
S/N = 012
D/S= 0001
Run= 13