Top Jaw Pole Tips

Y Dev.from Mean

10^{-3}

Mean TOP = 7.0339   Regression Line Ang. (mrad) = -0.0004

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 13.988

Y Dev.from Mean

10^{-3}

Mean BTM = -6.9757   Regression Line Ang. (mrad) = 0.0010

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 5

Regression Line Through Points =
Dimensions in mm

SLAC
NATIONAL ACCELERATOR LABORATORY
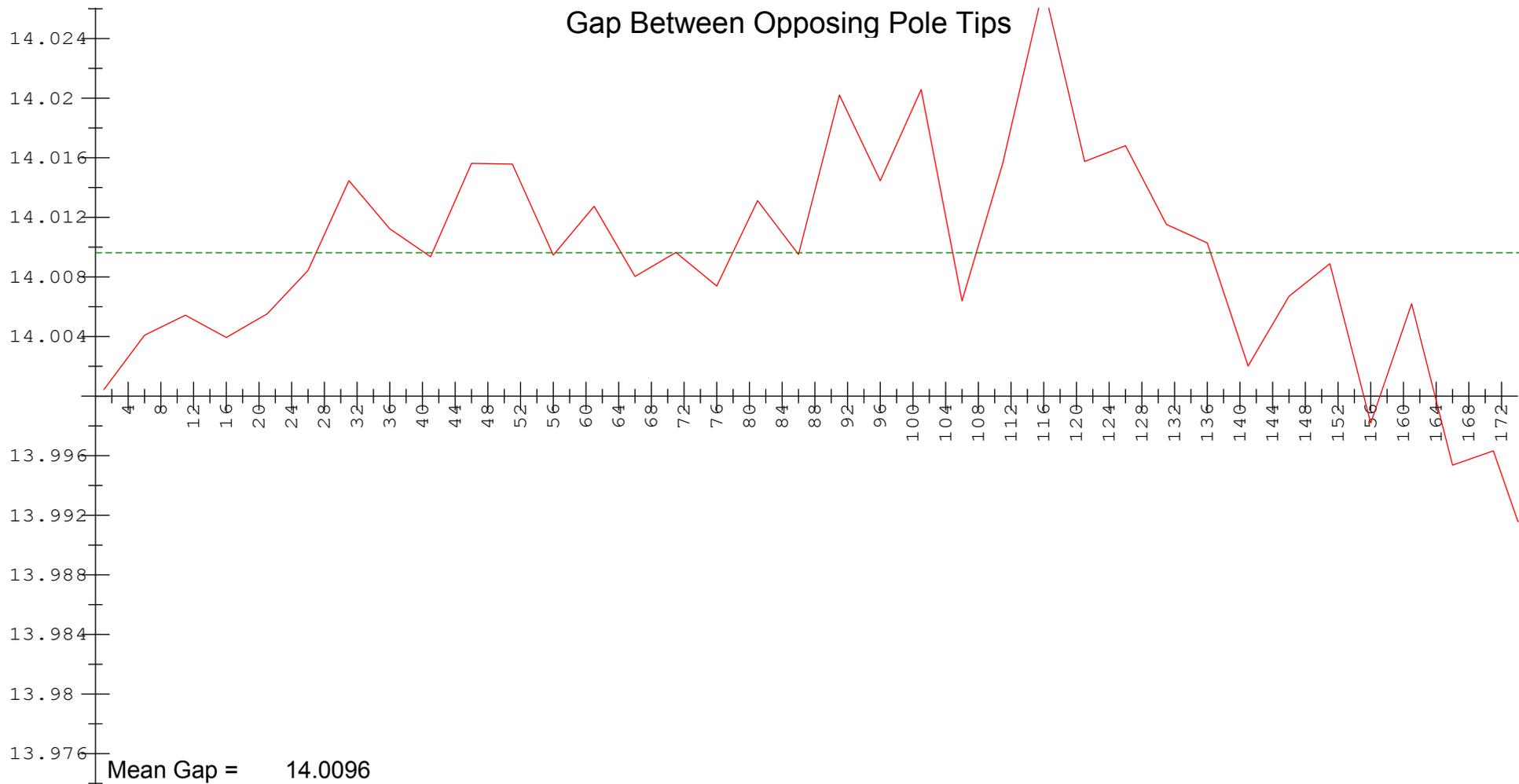METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 14   Nominal Taper = 0.000
Gap Reading = 14.0000   US Encoder = 14.0000   DS Encoder = 14.0001

13-NOV-2018
S/N = 017
D/S = 0001
Run= 11

Gap Between Opposing Pole Tips

Mean Gap =   14.0096

Step Between Measured Pole Tips =   5

Dimensions in mm

SLAC
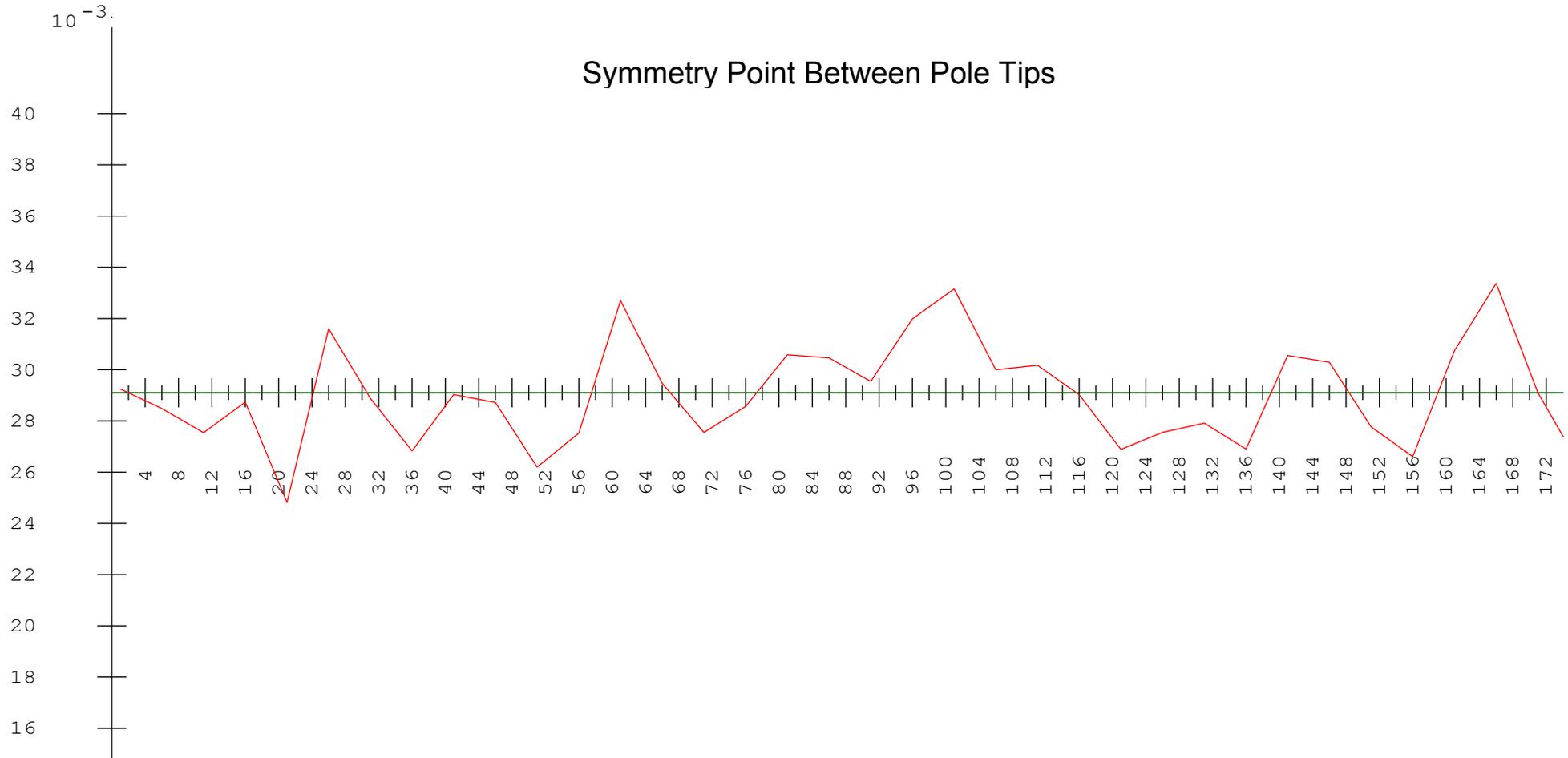NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 14   Nominal Taper = 0.000
Gap Reading = 14.0000   US Encoder = 14.0000   DS Encoder = 14.0001

13-NOV-2018
S/N =   017
D/S=   0001
Run=   11

10^{-3}.

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0291

Step Between Measured Pole Tips =   5

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY	**LCLS II - SXR Undulator** Nominal Gap = 14 Nominal Taper = 0.000 Gap Reading = 14.0000 US Encoder = 14.0000 DS Encoder = 14.0001	13-NOV-2018 S/N = 017 D/S= 0001 Run= 11

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	7.0343	7.0340	7.0333	7.0330
Bottom	-6.9772	-6.9764	-6.9746	-6.9739
Gap	14.0114			14.0069
Taper				-0.0046

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.0339	-6.9757	14.0096	0.0291

Additional Calculated Values

Bottom Pole #1 Z Value	980.178
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	13.988
Reference Block Gap	6.806

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 14   Nominal Taper = 0.000
Gap Reading = 14.0000   US Encoder = 14.0000   DS Encoder = 14.0001

13-NOV-2018
S/N =   017
D/S=   0001
Run=   11