Top Jaw Pole Tips

Y Dev. from Mean

Mean TOP = 5.5381   Regression Line Ang. (mrad) =   -0.0020

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   10.993

Y Dev. from Mean

Mean BTM = -5.4740   Regression Line Ang. (mrad) =   0.0005

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   11

Regression Line Through Points =
Dimensions in mm

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 11   Nominal Taper = 0.000
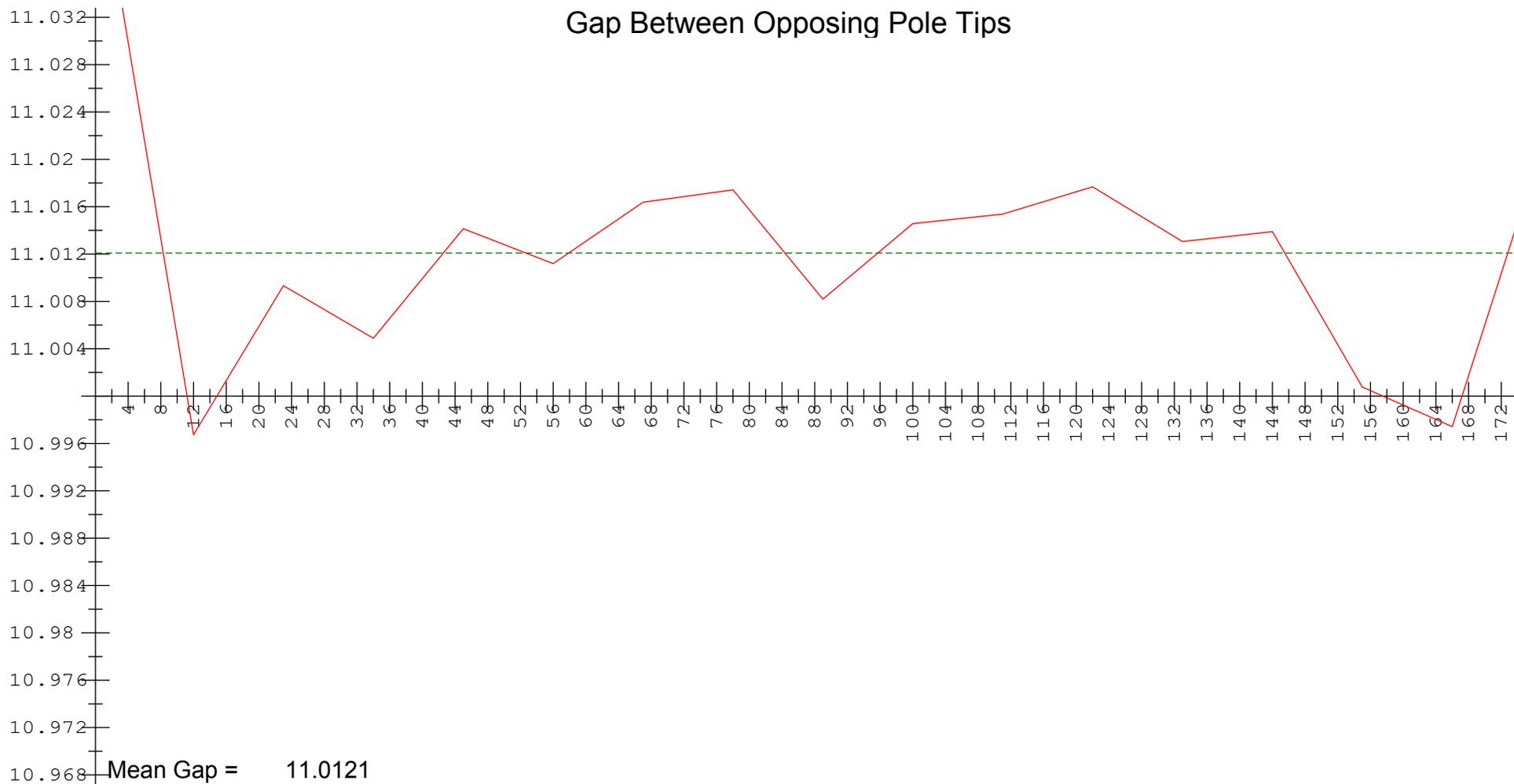Gap Reading = 11.0000   US Encoder = 11.0000   DS Encoder = 11.0000

07-JUN-2018
S/N =   011
D/S=   0001
Run=   6

Gap Between Opposing Pole Tips

Mean Gap =   11.0121

Step Between Measured Pole Tips =   11

Dimensions in mm

SLAC
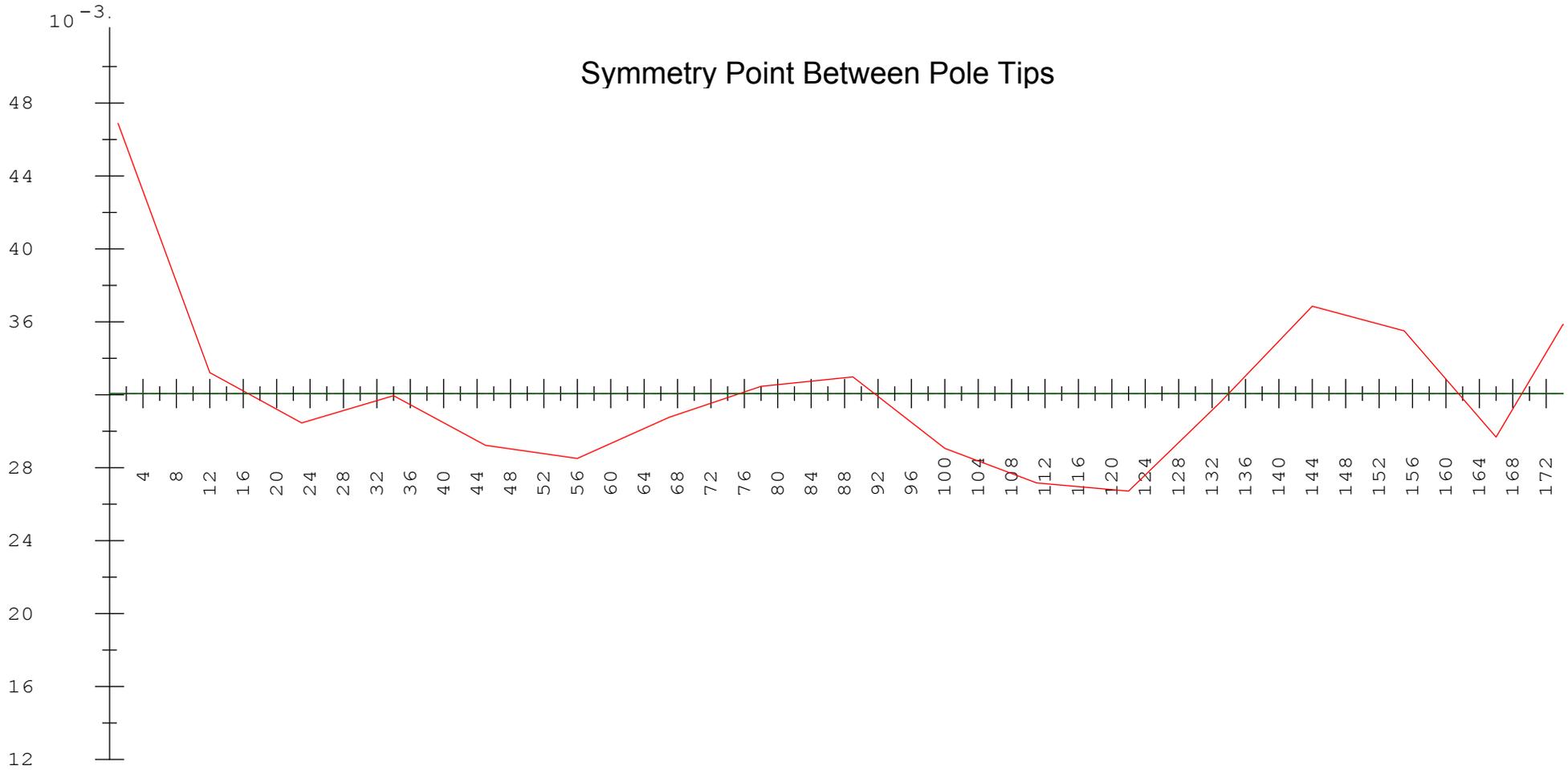### NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 11   Nominal Taper = 0.000
Gap Reading = 11.0000   US Encoder = 11.0000   DS Encoder = 11.0000

07-JUN-2018
S/N =   011
D/S=   0001
Run=   6

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0321

Step Between Measured Pole Tips =   11

Dimensions in mm

LCLS II - SXR Undulator		07-JUN-2018
Nominal Gap = 11 Nominal Taper = 0.000		S/N = 011
Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000		D/S= 0001
		Run= 6

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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	5.5418	5.5403	5.5366	5.5351
Bottom	-5.4746	-5.4743	-5.4734	-5.4730
Gap	11.0165			11.0081
Taper				-0.0083

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.5381	-5.4740	11.0121	0.0321

Additional Calculated Values

Bottom Pole #1 Z Value	979.744
Top Jaw Pitch (mrad)	-0.002
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	10.993
Reference Block Gap	6.806

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 11   Nominal Taper = 0.000
Gap Reading = 11.0000   US Encoder = 11.0000   DS Encoder = 11.0000

07-JUN-2018
S/N = 011
D/S= 0001
Run= 6