Top Jaw Pole Tips

Y Dev. from Mean

10^{-3}

Mean TOP =   5.0613   Regression Line Ang. (mrad) =   0.0008

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   9.956

Bottom Jaw Pole Tips

Y Dev. from Mean

10^{-3}

Mean BTM =   -4.9306   Regression Line Ang. (mrad) =   -0.0003

Y Value Scales Centered on Mean Values   Regression Line Through Points =

Step Between Measured Pole Tips =   1   Dimensions in mm

SLAC
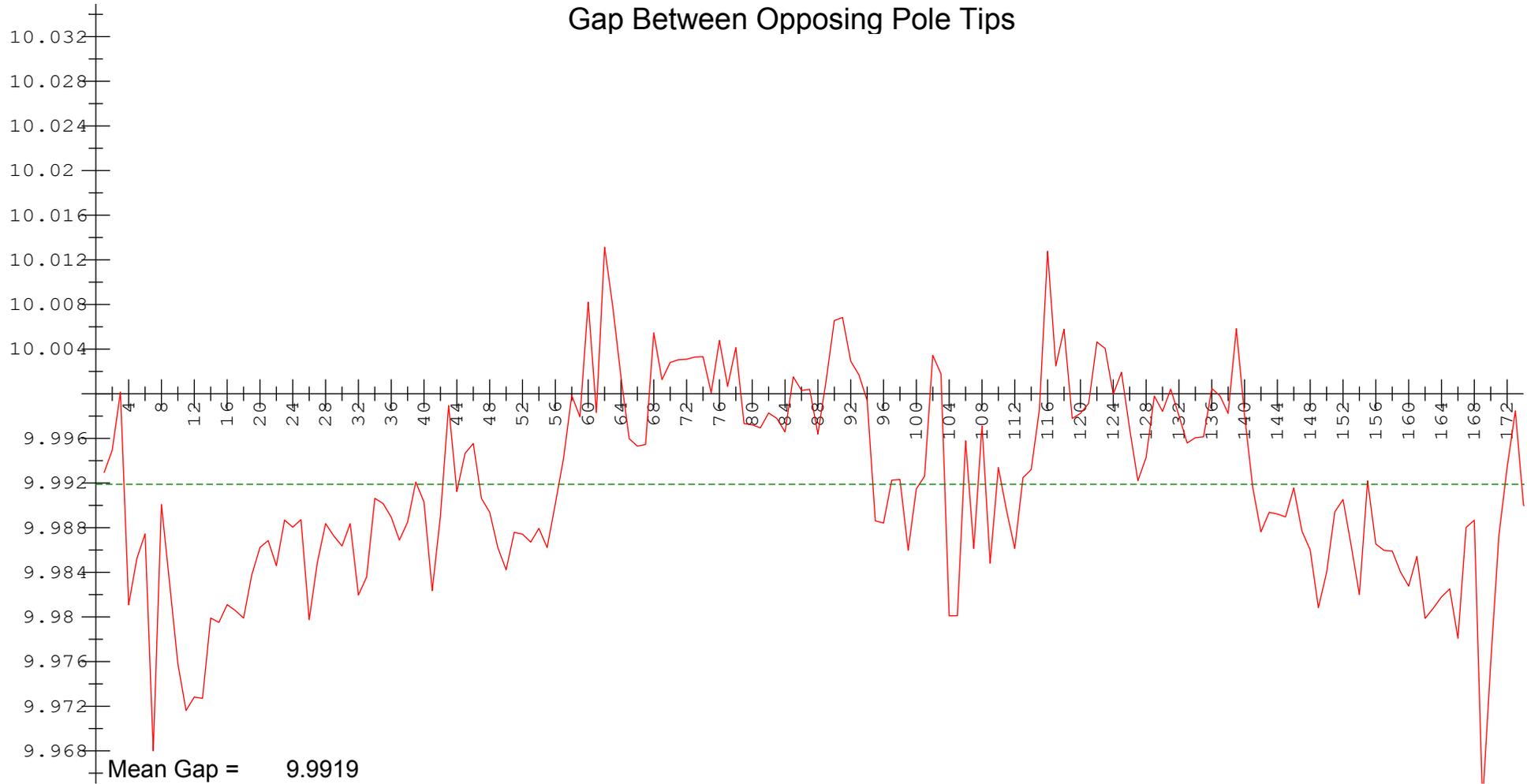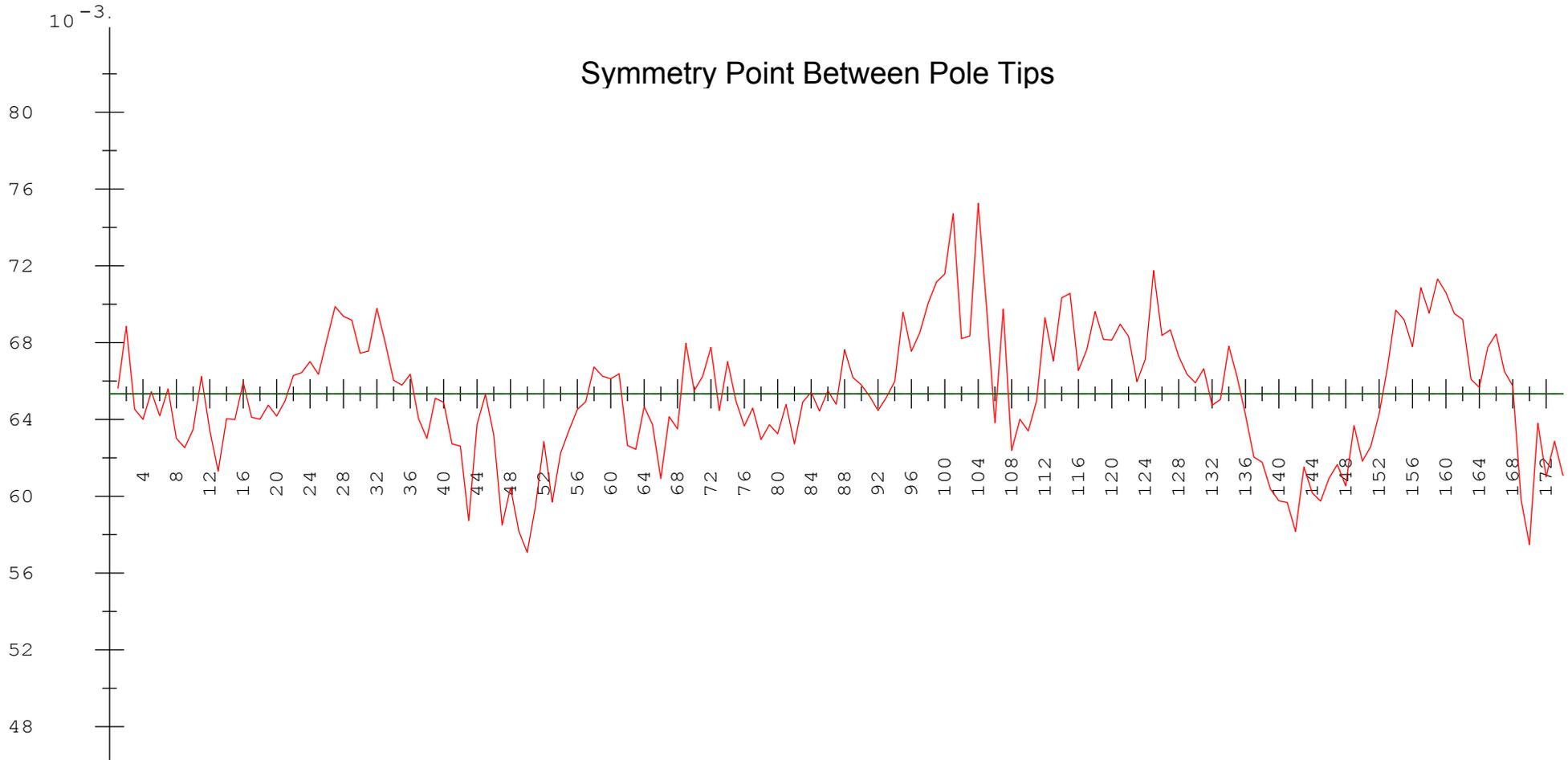NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

24-OCT-2018
S/N =   016
D/S=   0001
Run=   3

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0653

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

24-OCT-2018
S/N =   016
D/S=   0001
Run=   3

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

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	5.0599	5.0605	5.0621	5.0627
Bottom	-4.9301	-4.9303	-4.9309	-4.9311
Gap	9.9900			9.9938
Taper				0.0038

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0613	-4.9306	9.9919	0.0653

Additional Calculated Values

Bottom Pole #1 Z Value	979.935
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	9.956
Reference Block Gap	6.809

Dimensions in mm

LCLS II - SXR Undulator

METROLOGY — NATIONAL ACCELERATOR LABORATORY

Nominal Gap = 10   Nominal Taper = 0.000

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

24-OCT-2018
S/N = 016
D/S= 0001
Run= 3