Top Jaw Pole Tips

Mean TOP =   6.0992   Regression Line Ang. (mrad) =   0.0032

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   11.975

Mean BTM =   -5.9029   Regression Line Ang. (mrad) =   0.0063

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   1

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

SLAC
NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 12   Nominal Taper = 0
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

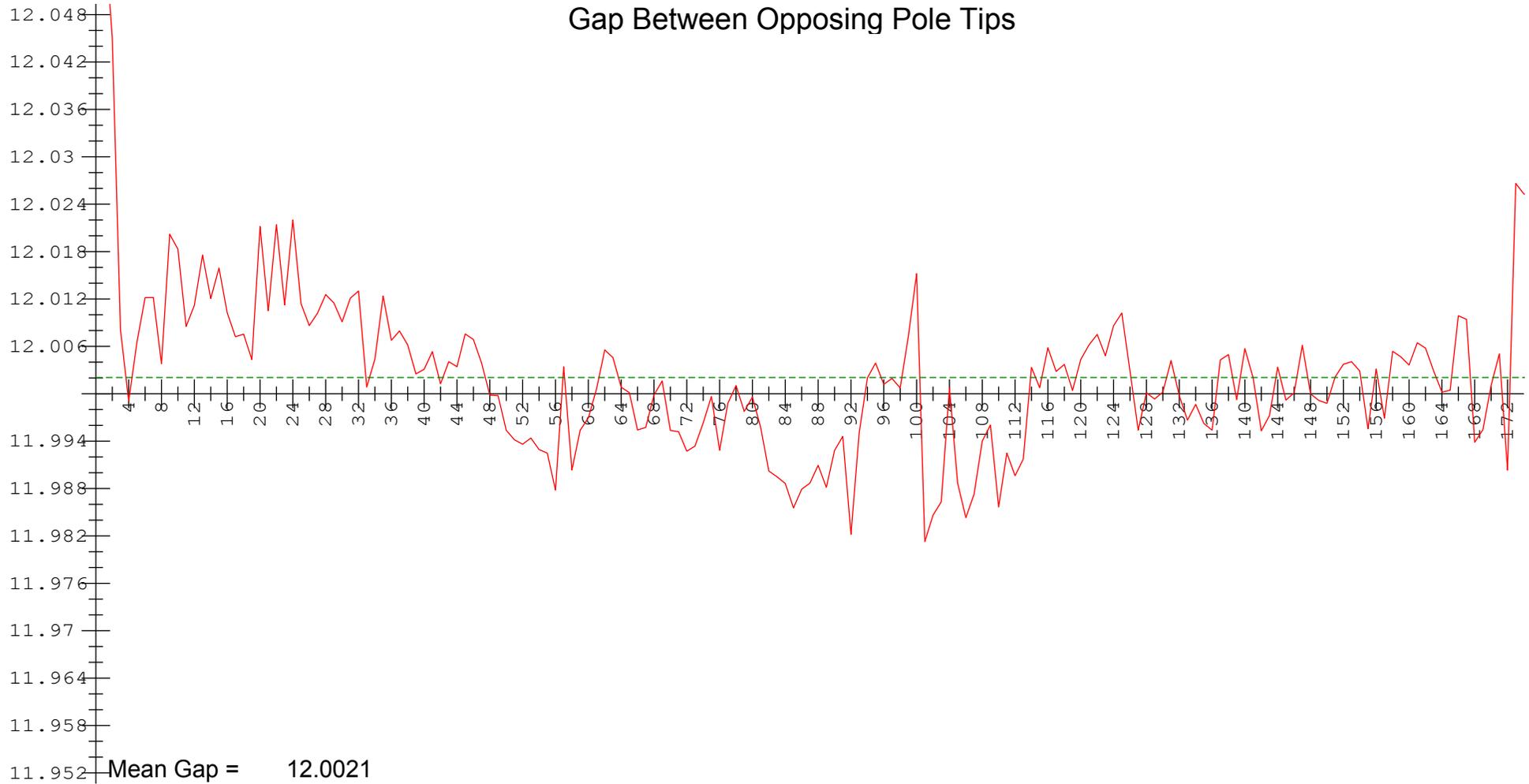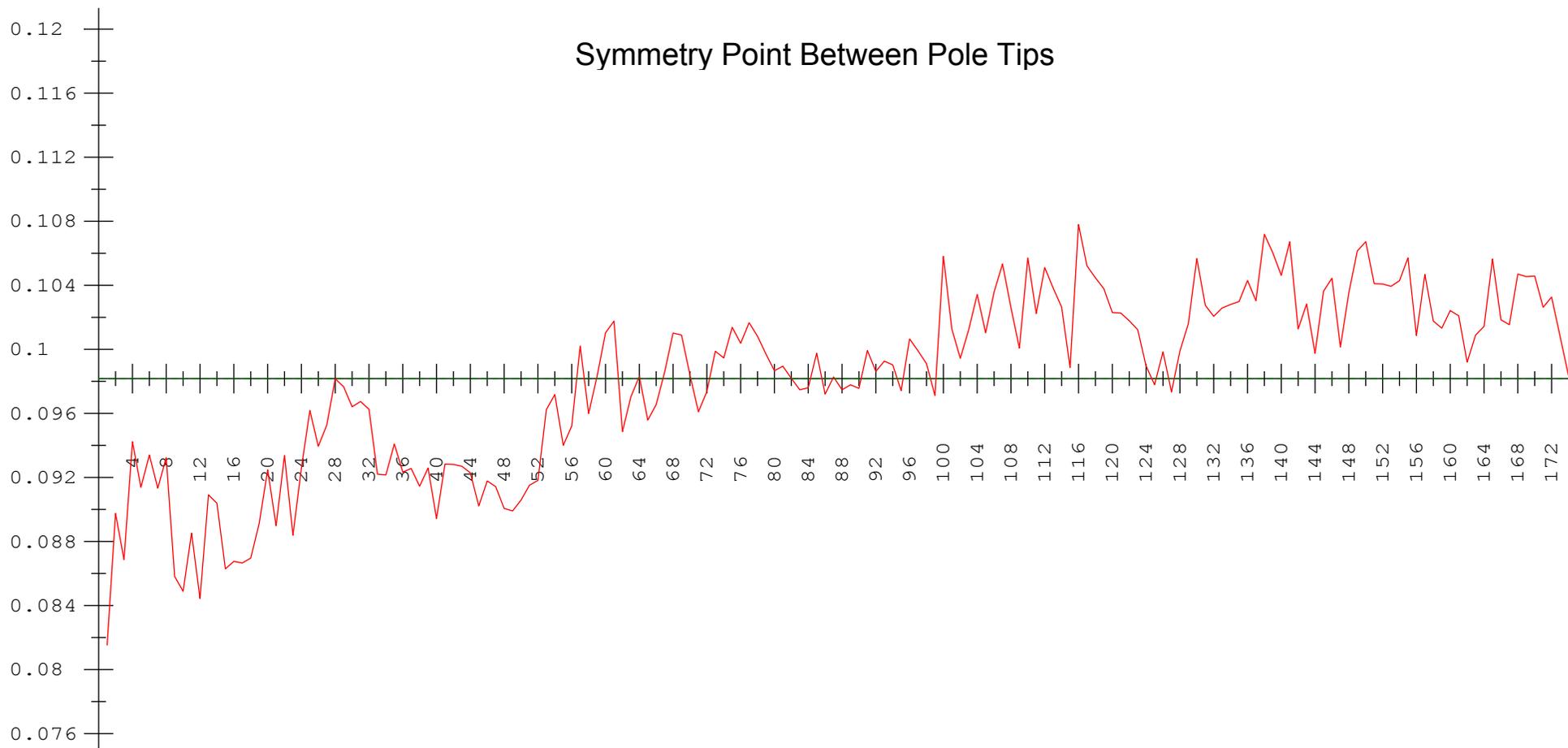30-MAR-2018
S/N =   008
D/S=   0001
Run=   13

Gap Between Opposing Pole Tips

Mean Gap =   12.0021

Step Between Measured Pole Tips =   1

Dimensions in mm

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0982

Step Between Measured Pole Tips =   1

Dimensions in mm

| SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY | LCLS II - SXR Undulator Nominal Gap = 12   Nominal Taper = 0 Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000 | 30-MAR-2018 S/N =   008 D/S=   0001 Run=   13 |

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	6.0939	6.0962	6.1021	6.1045
Bottom	-5.9135	-5.9088	-5.8970	-5.8922
Gap	12.0073			11.9968
Taper				-0.0106

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.0992	-5.9029	12.0021	0.0982

Additional Calculated Values

Bottom Pole #1 Z Value	979.390
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	0.006
Minimum Effective Gap	11.975
Reference Block Gap	6.803

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 12   Nominal Taper = 0
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

30-MAR-2018
S/N =   008
D/S=   0001
Run=   13