Top Jaw Pole Tips

Mean TOP = 5.8146   Regression Line Ang. (mrad) =   -0.0014

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   11.331

Mean BTM =   -5.6070   Regression Line Ang. (mrad) =   0.0060

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips =   7

Regression Line Through Points =

Dimensions in mm

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LCLS II - SXR Undulator

Nominal Gap = 11.5   Nominal Taper = 0.000

Gap Reading = 11.5000   US Encoder = 11.5000   DS Encoder = 11.5000

13-SEP-2018
S/N =   001
D/S=   0004
Run=   6

Gap Between Opposing Pole Tips

Mean Gap =   11.4216

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 11.5   Nominal Taper = 0.000

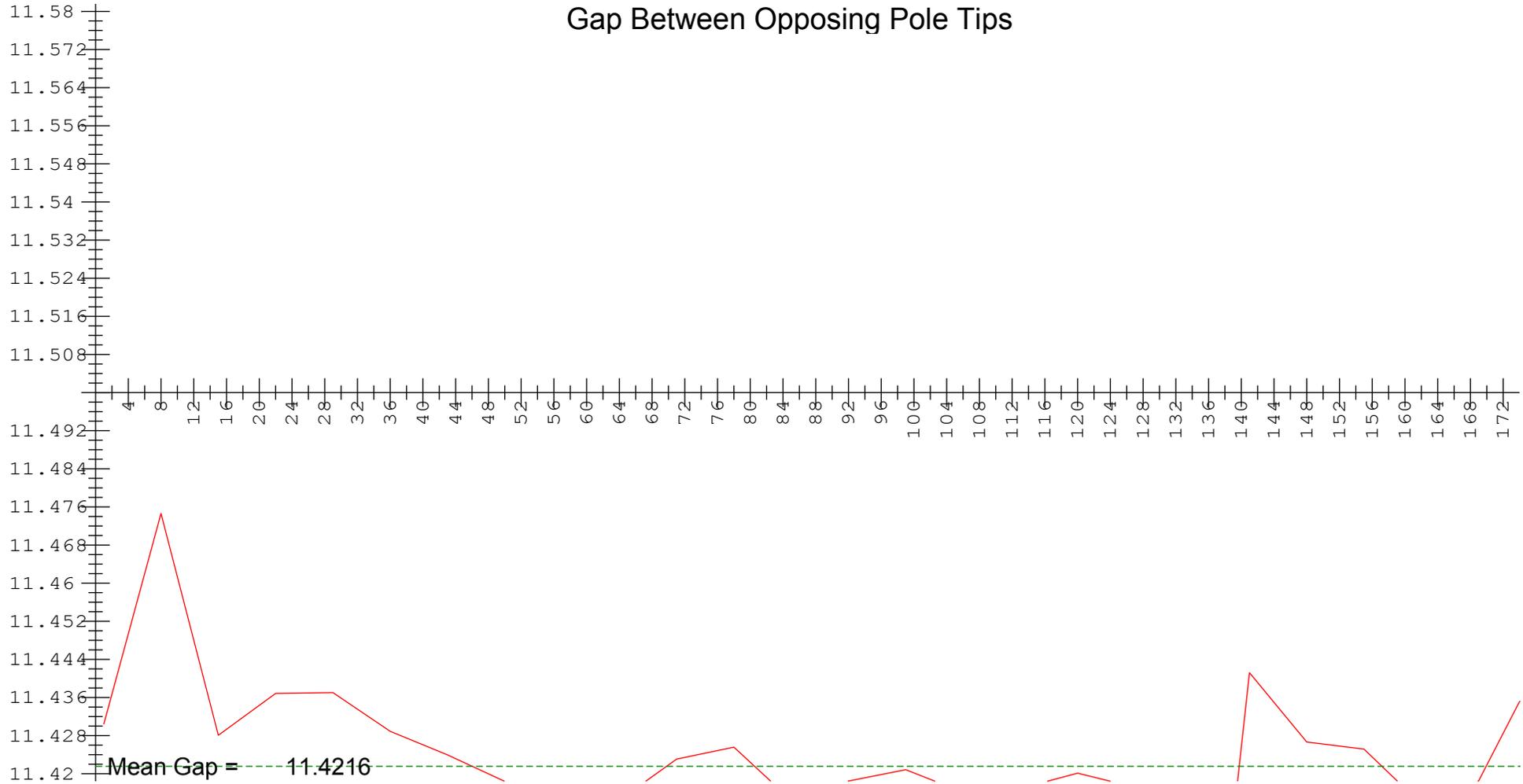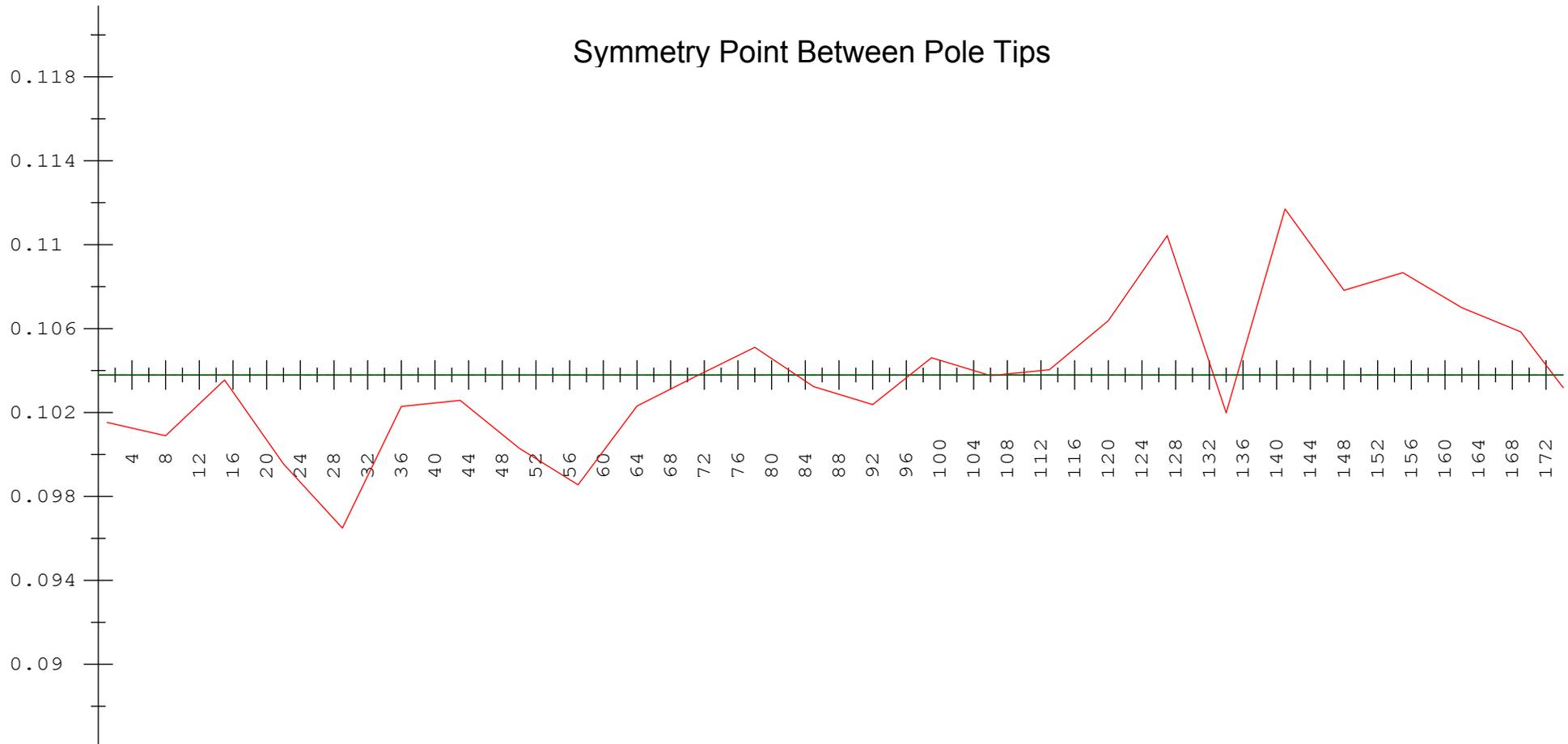Gap Reading = 11.5000   US Encoder = 11.5000   DS Encoder = 11.5000

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13-SEP-2018
S/N =   001
D/S=   0004
Run=   6

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.1038

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 11.5   Nominal Taper = 0.000
Gap Reading = 11.5000   US Encoder = 11.5000   DS Encoder = 11.5000

13-SEP-2018
S/N =   001
D/S=   0004
Run=   6

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	5.8171	5.8161	5.8136	5.8126
Bottom	-5.6175	-5.6130	-5.6018	-5.5973
Gap	11.4346			11.4099
Taper				-0.0247

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.8146	-5.6070	11.4216	0.1038

Additional Calculated Values

Bottom Pole #1 Z Value	979.975
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	0.006
Minimum Effective Gap	11.331
Reference Block Gap	6.807

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 11.5   Nominal Taper = 0.000
Gap Reading = 11.5000   US Encoder = 11.5000   DS Encoder = 11.5000

13-SEP-2018
S/N = 001
D/S = 0004
Run = 6