Top Jaw Pole Tips

Mean TOP =   6.0051   Regression Line Ang. (mrad) =   0.0065

Pole Tip Num. ---->   ## Bottom Jaw Pole Tips   Minimum Effective Gap =   12.021

Mean BTM =   -6.0749   Regression Line Ang. (mrad) =   0.0169

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 = 12   Nominal Taper = 0.000

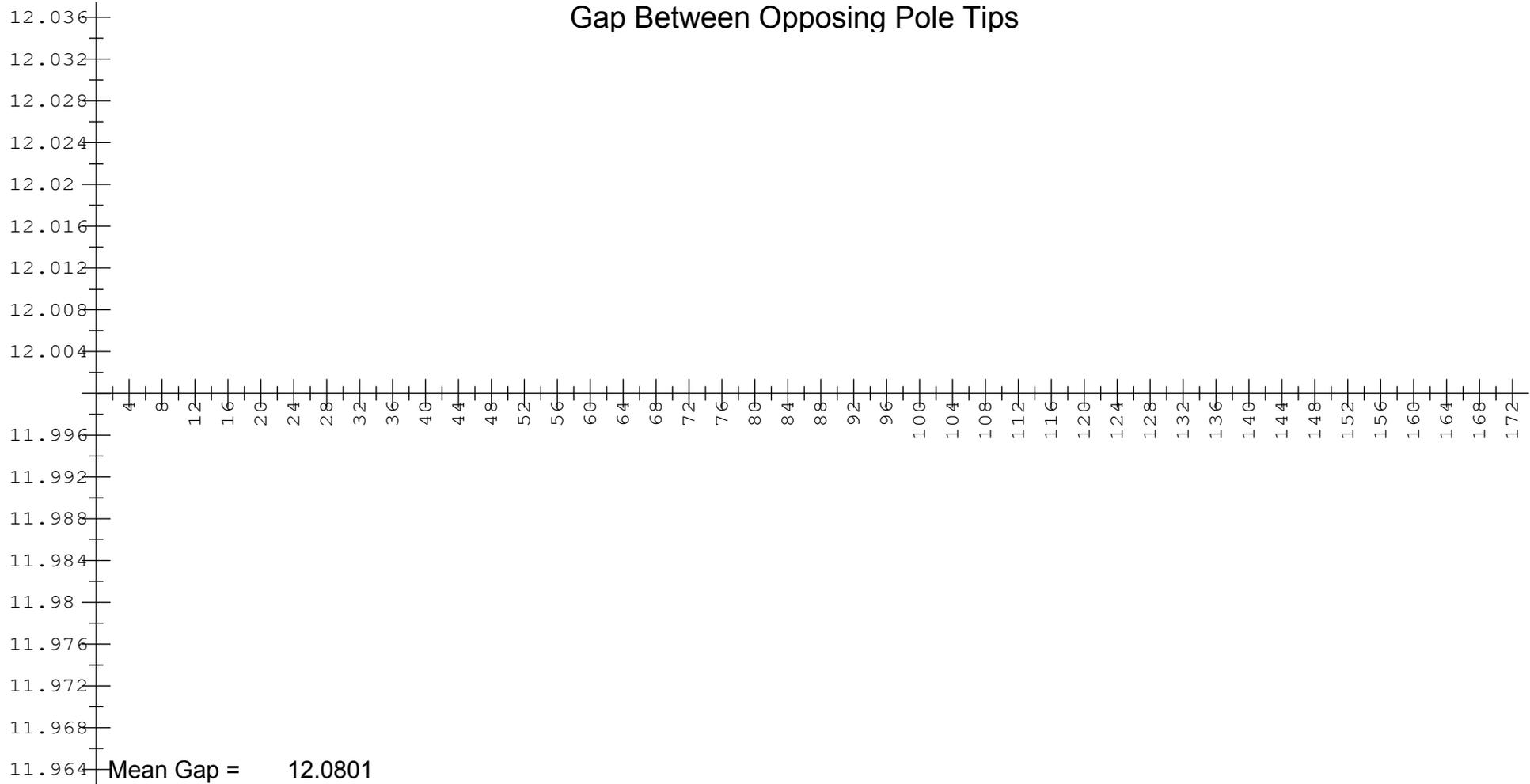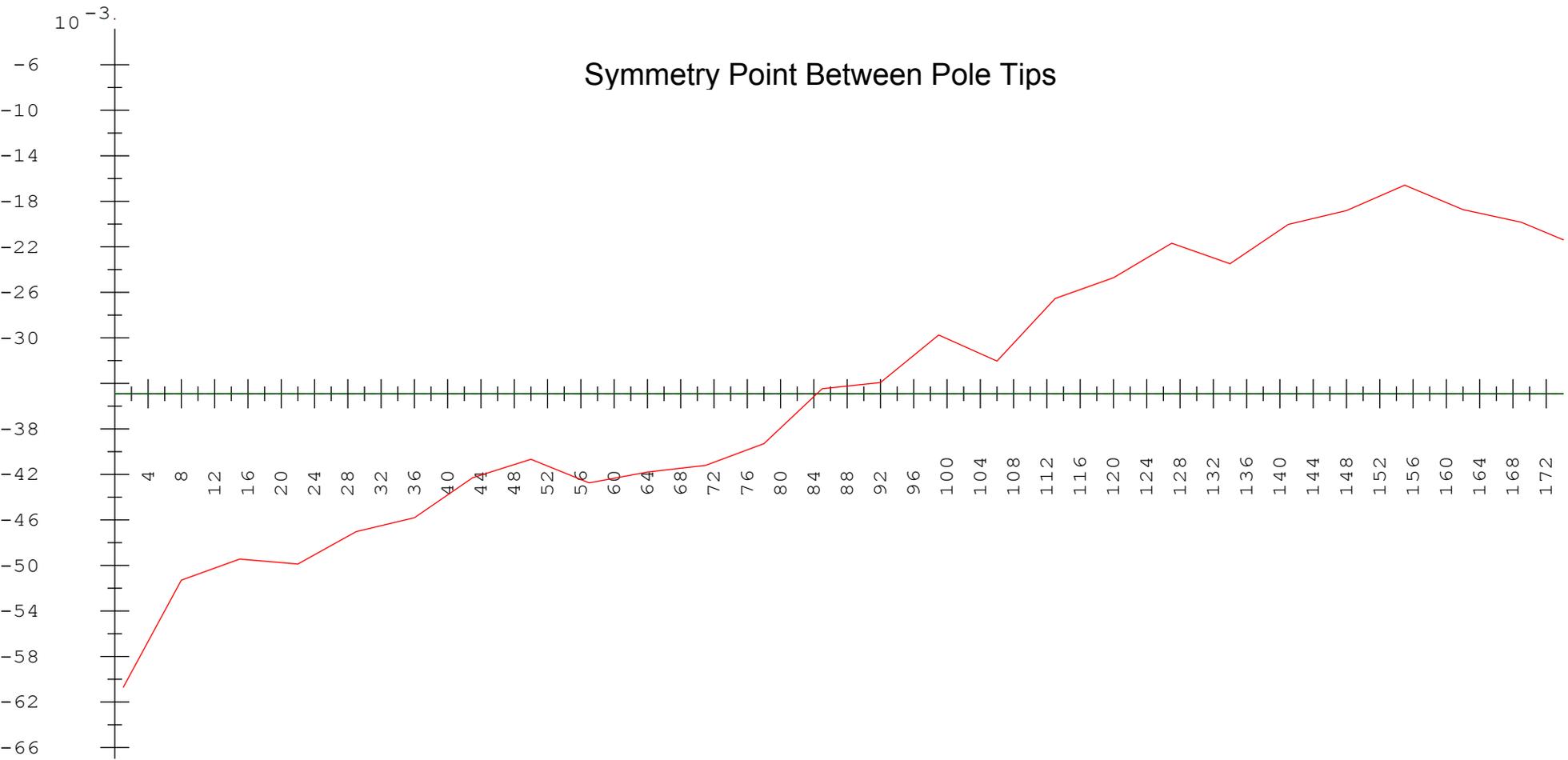Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0001

04-APR-2019
S/N =   002
D/S=   0001
Run=   6

Gap Between Opposing Pole Tips

12.036
12.032
12.028
12.024
12.02
12.016
12.012
12.008
12.004

4 8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 88 92 96 100 104 108 112 116 120 124 128 132 136 140 144 148 152 156 160 164 168 172

11.996
11.992
11.988
11.984
11.98
11.976
11.972
11.968
11.964 Mean Gap =   12.0801

Step Between Measured Pole Tips = 7

Dimensions in mm

Symmetry Point Between Pole Tips

Mean Symmetry Value =   -0.0349

Step Between Measured Pole Tips =   7

Dimensions in mm

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LCLS II - SXR Undulator

Nominal Gap = 12   Nominal Taper = 0.000

Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0001

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S/N =   002
D/S=   0001
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	5.9946	5.9994	6.0116	6.0165
Bottom	-6.1032	-6.0907	-6.0591	-6.0463
Gap	12.0979			12.0628
Taper				-0.0351

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.0051	-6.0749	12.0801	-0.0349

Additional Calculated Values

Bottom Pole #1 Z Value	980.303
Top Jaw Pitch (mrad)	0.006
Bottom Jaw Pitch(mrad)	0.017
Minimum Effective Gap	12.021
Reference Block Gap	6.810

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 12   Nominal Taper = 0.000
Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0001

04-APR-2019
S/N = 002
D/S=   0001
Run=   6