Top Jaw Pole Tips

Mean TOP =   4.1818

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Mean BTM =   -5.8199

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips =   1

Regression Line Through Points =————————

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 0.00000   US Encoder = 10.00000   DS Encoder = 0.00000

04-DEC-2017
S/N =   004
D/S=   0001
Run=   66

Gap Between Pole Tips

Mean Gap =   10.0017

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator
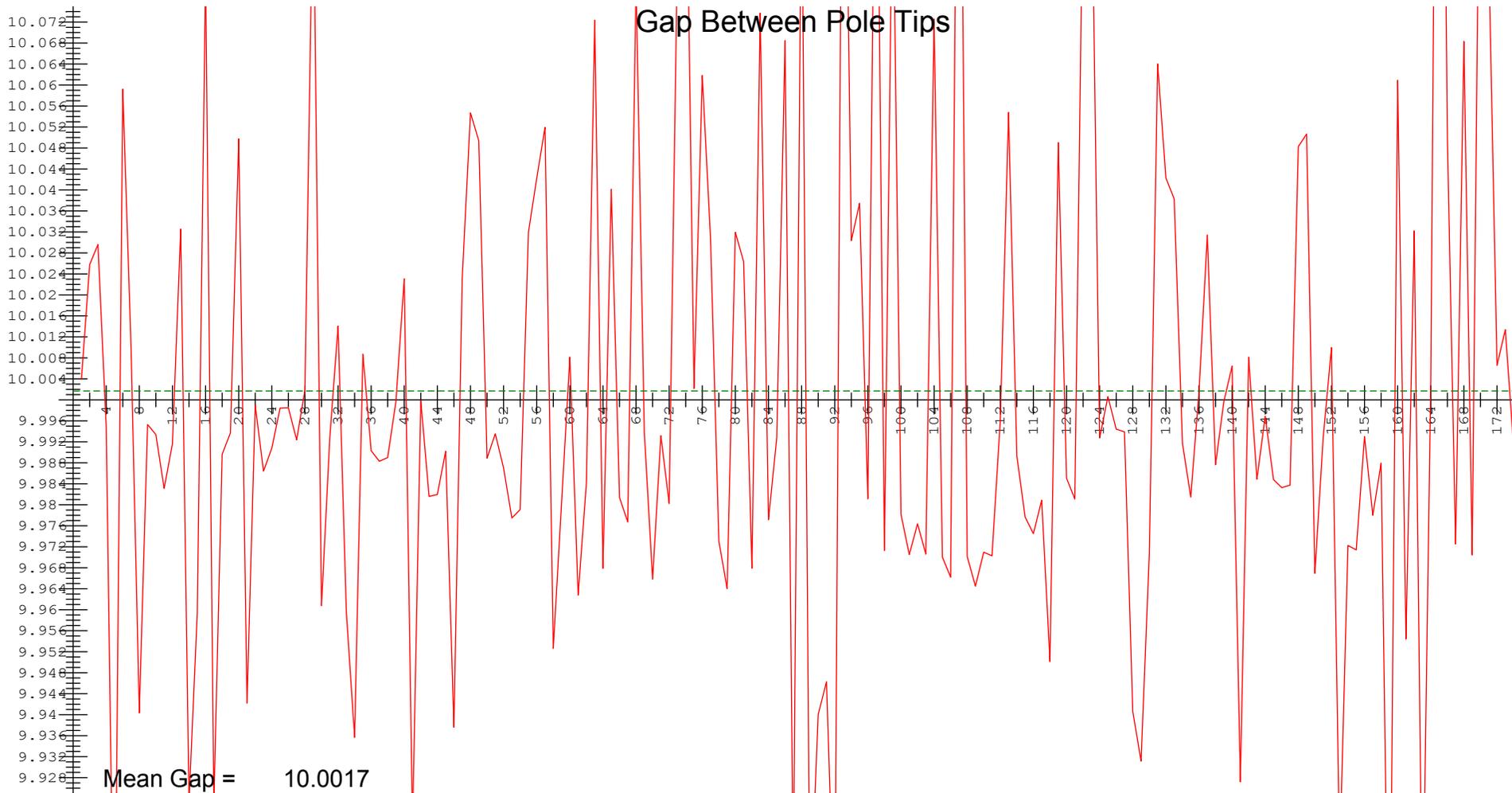Nominal Gap = 10
Gap Reading = 0.00000   US Encoder = 10.00000   DS Encoder = 0.00000

04-DEC-2017
S/N =   004
D/S=   0001
Run=   66

Symmetry Point Between Pole Tips

-1.56
-1.57
-1.58
-1.59
-1.6
-1.61
-1.62
-1.63
-1.64
-1.65
-1.66
-1.67
-1.68
-1.69
-1.7
-1.71
-1.72
-1.73
-1.74

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

Mean Symmetry Value =   -0.8190

Step Between Measured Pole Tips =   1

Dimensions in mm

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METROLOGY

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Nominal Gap = 10
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04-DEC-2017
S/N =   004
D/S=   0001
Run=   66

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	4.1798	4.1807	4.1830	4.1839
Bottom	-5.8147	-5.8170	-5.8227	-5.8250

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.1818	-5.8199	10.0017	-0.8190

Outside Pole Ends to Ref. Block on Kugler Bench
Points Measured with Gap at 10mm during Datuming Proceedure

Jaw	Pole #1	Pole #174	Average
Top			
Bottom			
Ave. of Jaws			

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10
Gap Reading = 0.00000   US Encoder = 10.00000   DS Encoder = 0.00000

04-DEC-2017
S/N = 004
D/S= 0001
Run= 66