

Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 5

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



LCLS II - SXR Undulator

Nominal Gap = 11

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

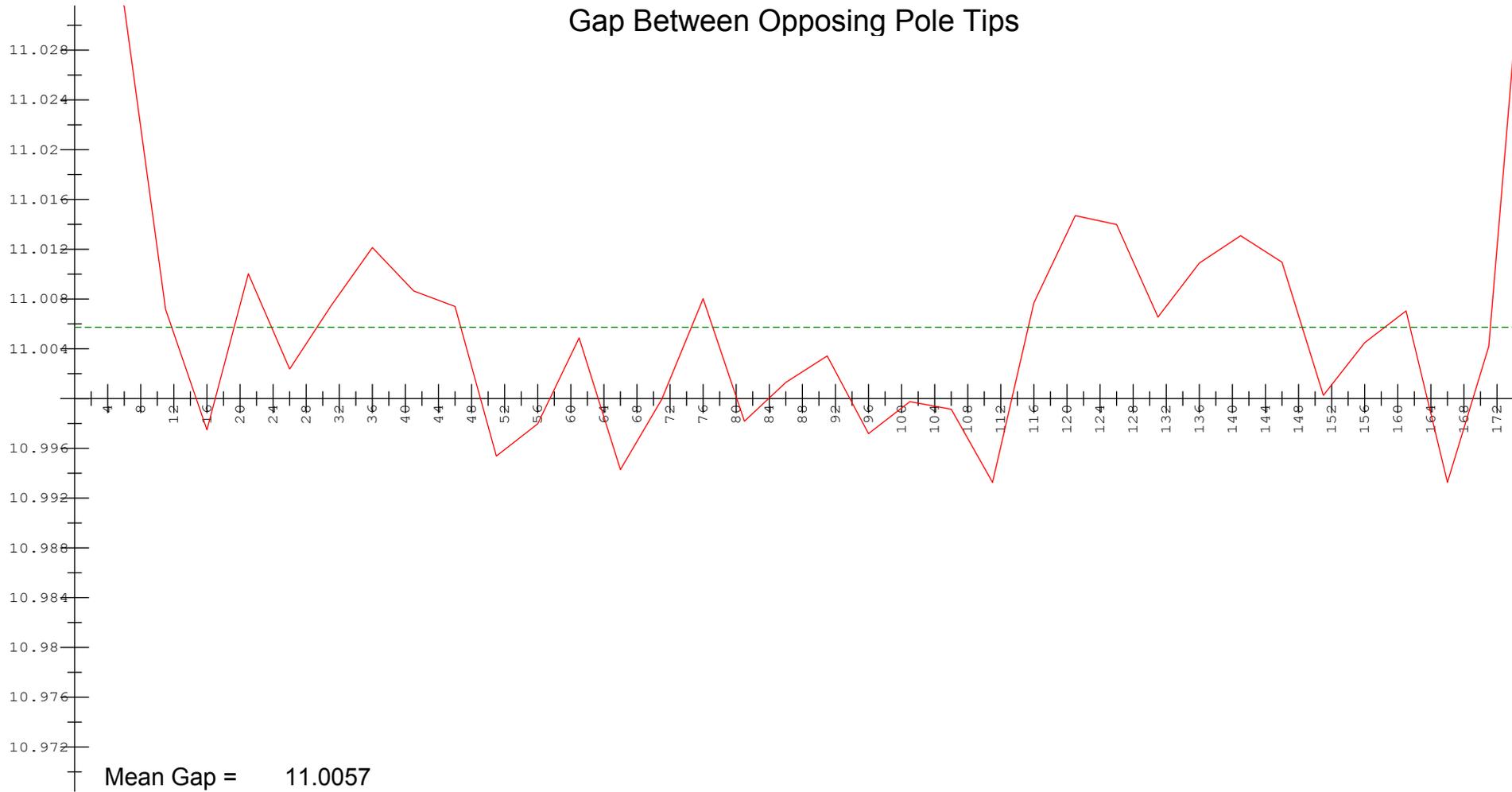
08-MAR-2018

S/N = 007

D/S = 0001

Run = 10

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



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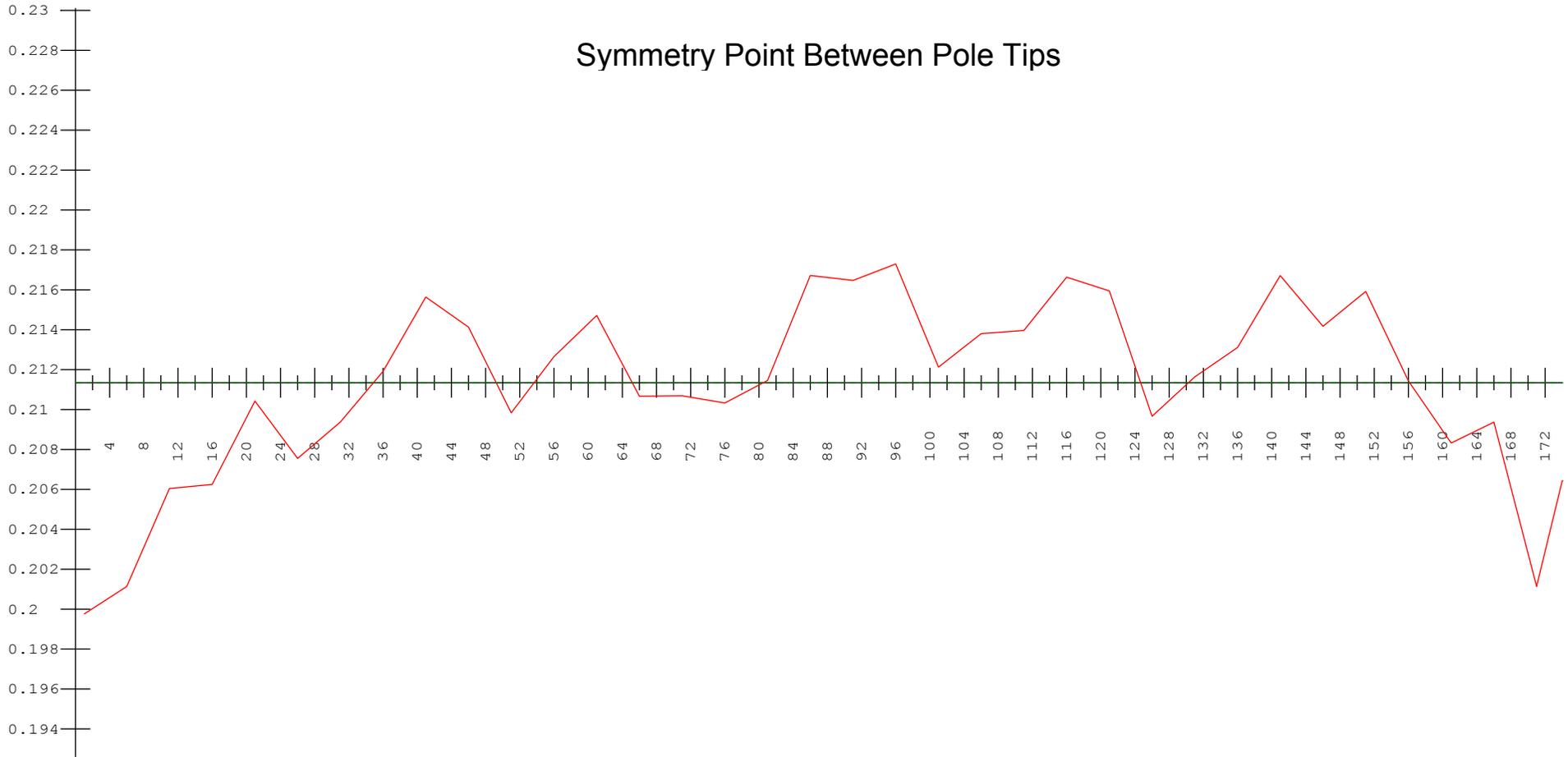
08-MAR-2018

S/N = 007

D/S = 0001

Run = 10

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2113

Step Between Measured Pole Tips = 5

Dimensions in mm



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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	5.7135	5.7139	5.7149	5.7153
Bottom	-5.2951	-5.2937	-5.2903	-5.2889
Gap	11.0085			11.0042
Taper				-0.0043

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.7142	-5.2915	11.0057	0.2113

Additional Calculated Values

Bottom Pole #1 Z Value	979.176
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	10.985
Reference Block Gap	6.804

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