

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 = 20 Nominal Taper = 0.000
 Gap Reading = 20.0000 US Encoder = 20.0000 DS Encoder = 20.0000

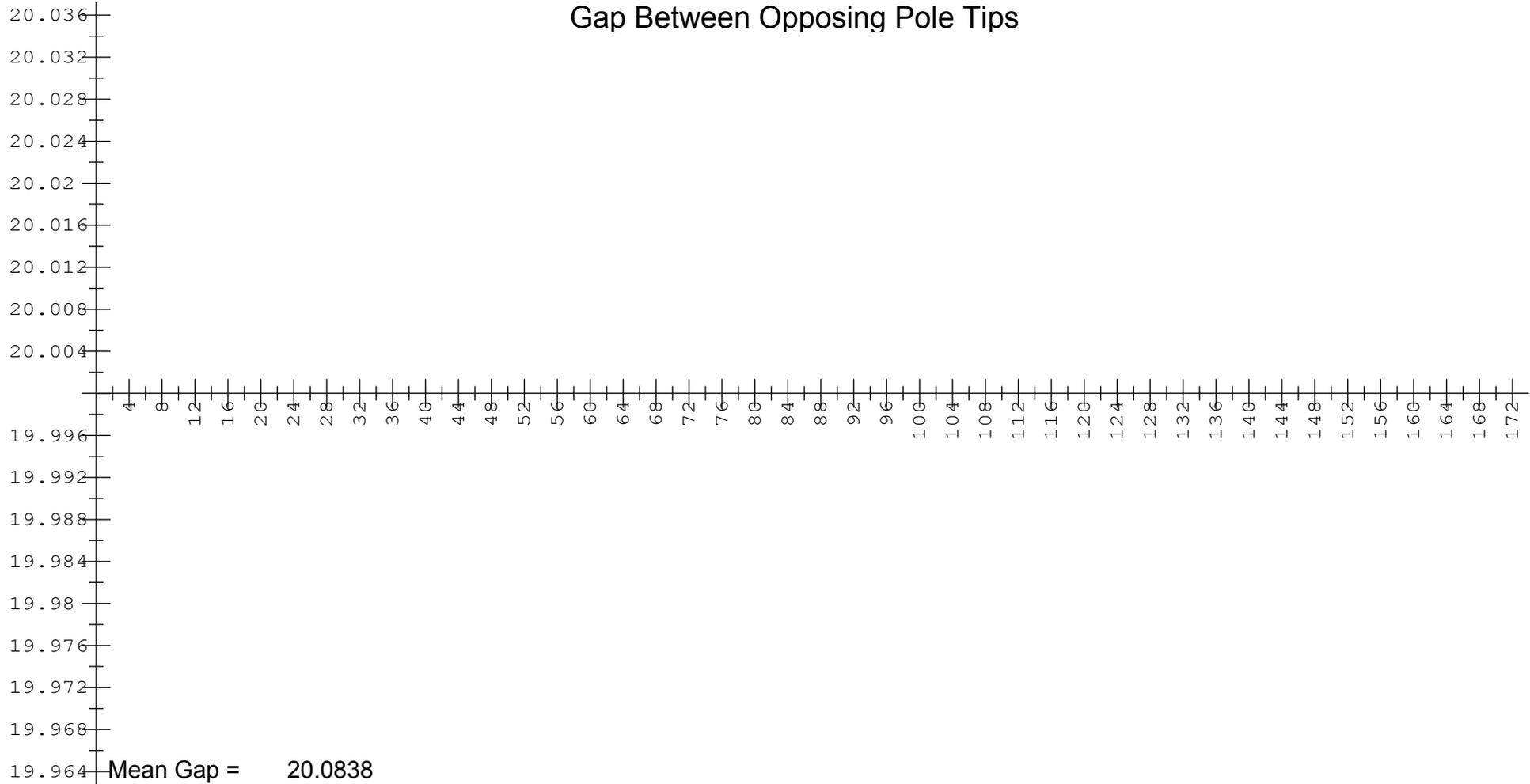
05-APR-2019

S/N = 002

D/S = 0001

Run = 14

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

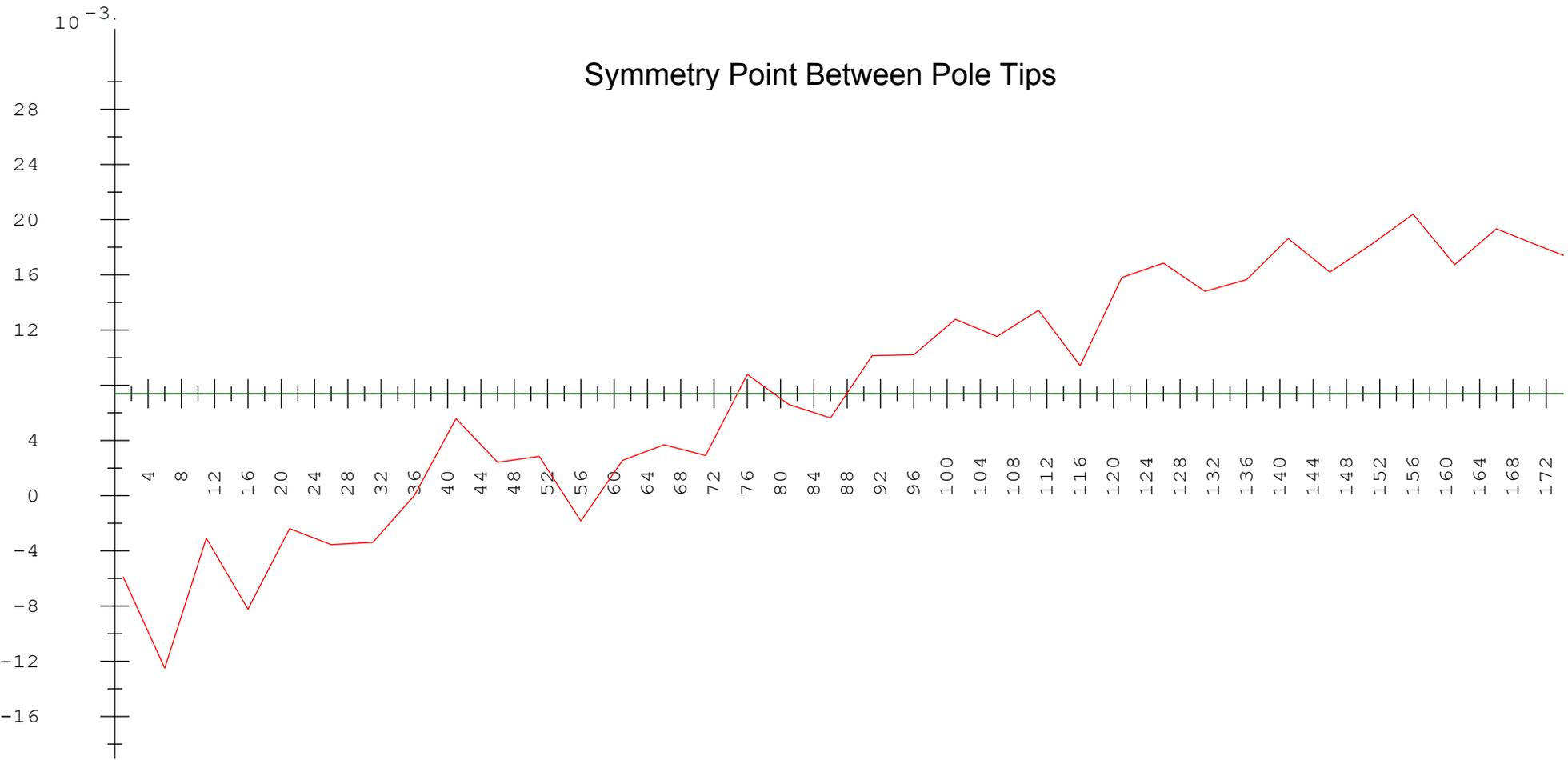
Dimensions in mm



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05-APR-2019
 S/N = 002
 D/S = 0001
 Run = 14



Mean Symmetry Value = 0.0074

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	10.0322	10.0398	10.0590	10.0668
Bottom	-10.0455	-10.0407	-10.0284	-10.0235
Gap	20.0778			20.0903
Taper				0.0125

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
10.0493	-10.0345	20.0838	0.0074

Additional Calculated Values

Bottom Pole #1 Z Value	980.303
Top Jaw Pitch (mrad)	0.010
Bottom Jaw Pitch(mrad)	0.007
Minimum Effective Gap	20.034
Reference Block Gap	6.810

Dimensions in mm



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