

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 7

Regression Line Through Points = -----

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 9

Nominal Taper = 0.000

Gap Reading = 9.0000

US Encoder = 9.0000

DS Encoder = 9.0000

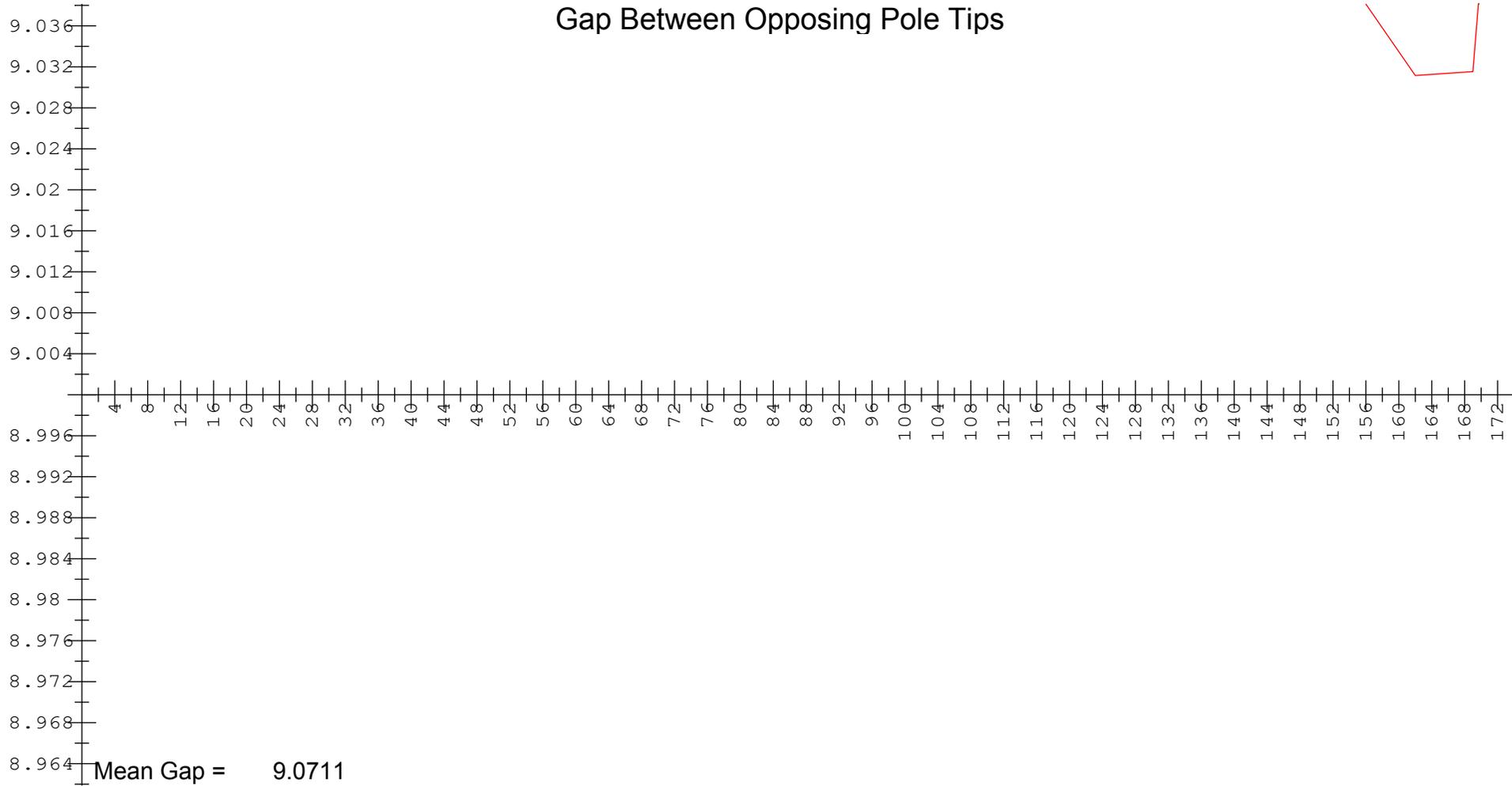
04-APR-2019

S/N = 002

D/S = 0001

Run = 2

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

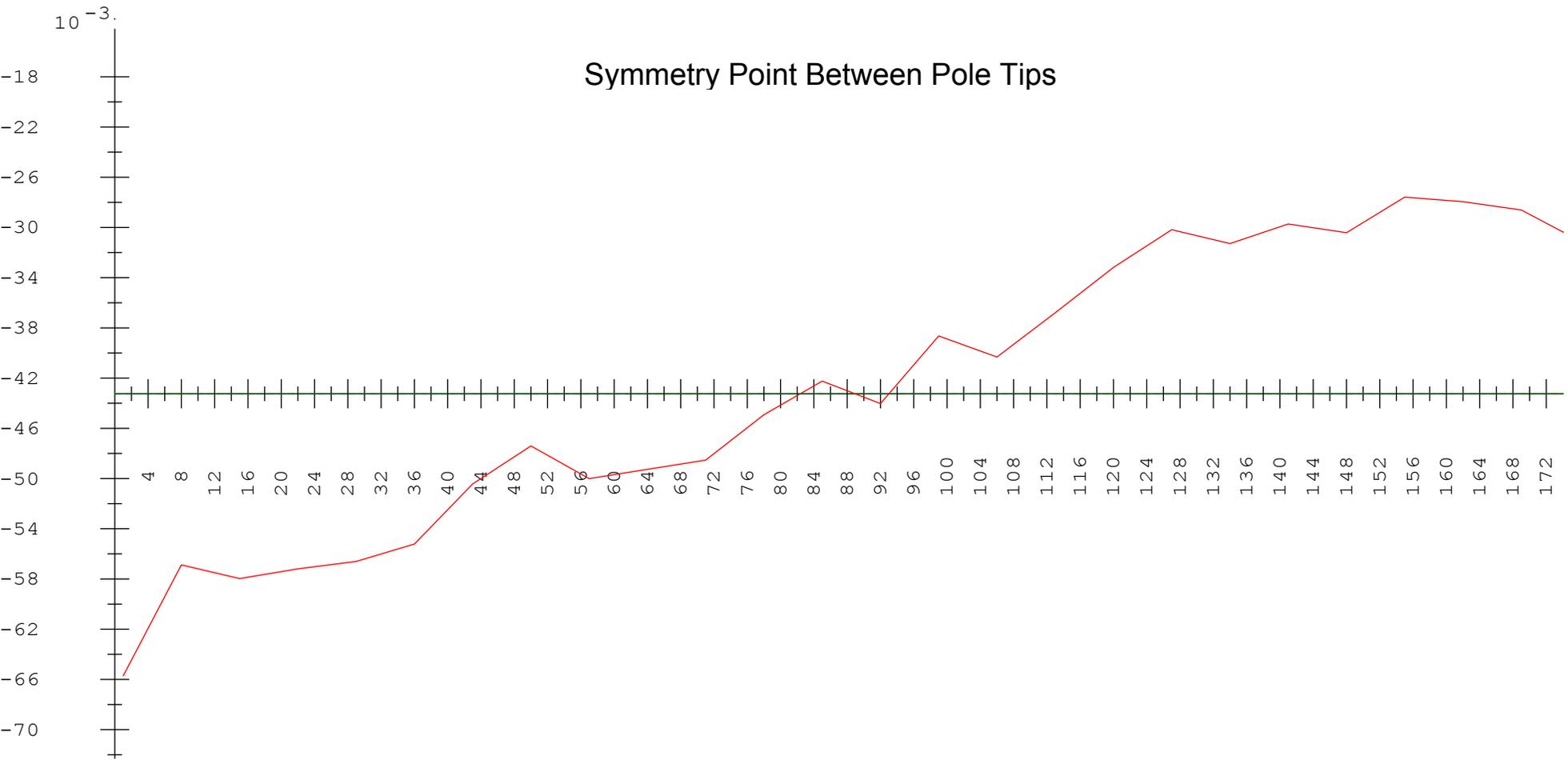
Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
 Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

04-APR-2019
 S/N = 002
 D/S = 0001
 Run = 2



Mean Symmetry Value = -0.0432

Step Between Measured Pole Tips = 7

Dimensions in mm



LCLS II - SXR Undulator

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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	4.4837	4.4877	4.4979	4.5021
Bottom	-4.6060	-4.5940	-4.5638	-4.5516
Gap	9.0897			9.0537
Taper				-0.0360

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.4923	-4.5788	9.0711	-0.0432

Additional Calculated Values

Bottom Pole #1 Z Value	980.303
Top Jaw Pitch (mrad)	0.005
Bottom Jaw Pitch(mrad)	0.016
Minimum Effective Gap	9.020
Reference Block Gap	6.810

Dimensions in mm



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