

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 87

Regression Line Through Points = - - - - -

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 8

Nominal Taper = 0.000

Gap Reading = 0.0000

US Encoder = 0.0000

DS Encoder = 0.0000

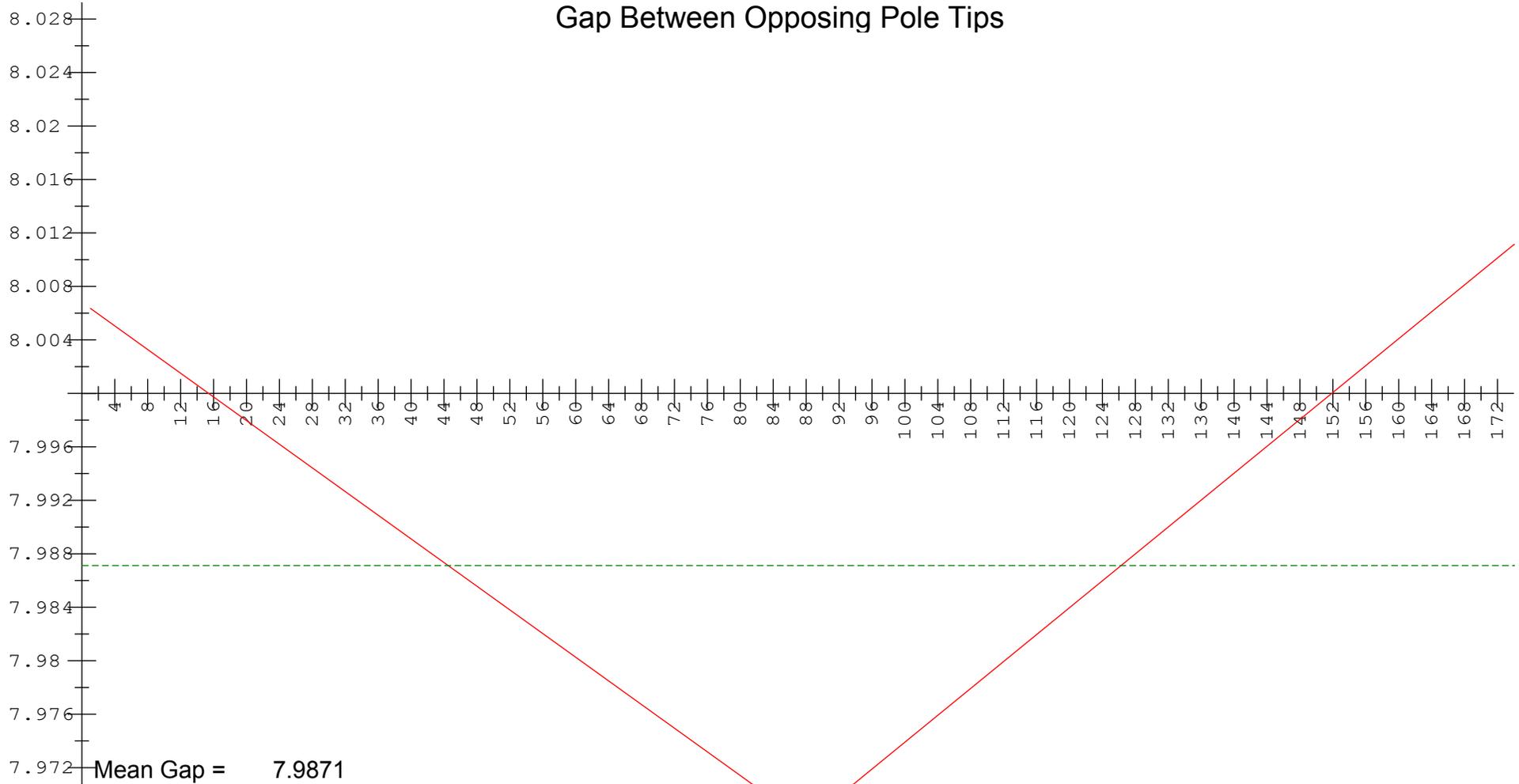
12-AUG-2019

S/N = 001

D/S = 0007

Run = 36

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 87

Dimensions in mm

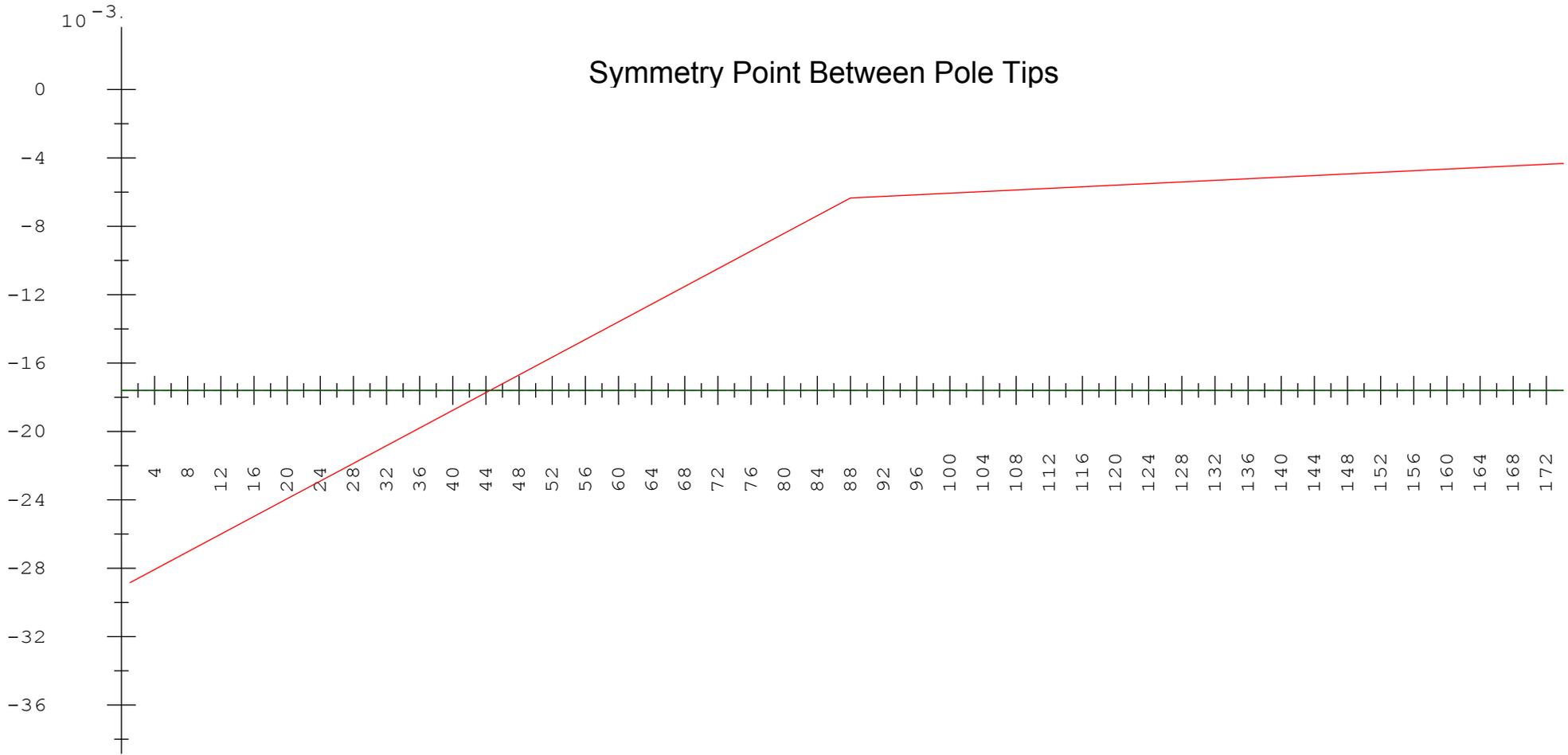


LCLS II - SXR Undulator

Nominal Gap = 8 Nominal Taper = 0.000
 Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

12-AUG-2019
 S/N = 001
 D/S = 0007
 Run = 36

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0176

Step Between Measured Pole Tips = 87

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 8 Nominal Taper = 0.000
 Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

12-AUG-2019
 S/N = 001
 D/S = 0007
 Run = 36

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	3.9709	3.9768	3.9917	3.9978
Bottom	-4.0219	-4.0170	-4.0046	-3.9996
Gap	7.9928			7.9974
Taper				0.0046

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.9760	-4.0112	7.9871	-0.0176

Additional Calculated Values

Bottom Pole #1 Z Value	980.086
Top Jaw Pitch (mrad)	0.008
Bottom Jaw Pitch(mrad)	0.007
Minimum Effective Gap	7.965
Reference Block Gap	6.801

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 8 Nominal Taper = 0.000
 Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

12-AUG-2019
 S/N = 001
 D/S = 0007
 Run = 36