

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 = 10 Nominal Taper = 0.000
 Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

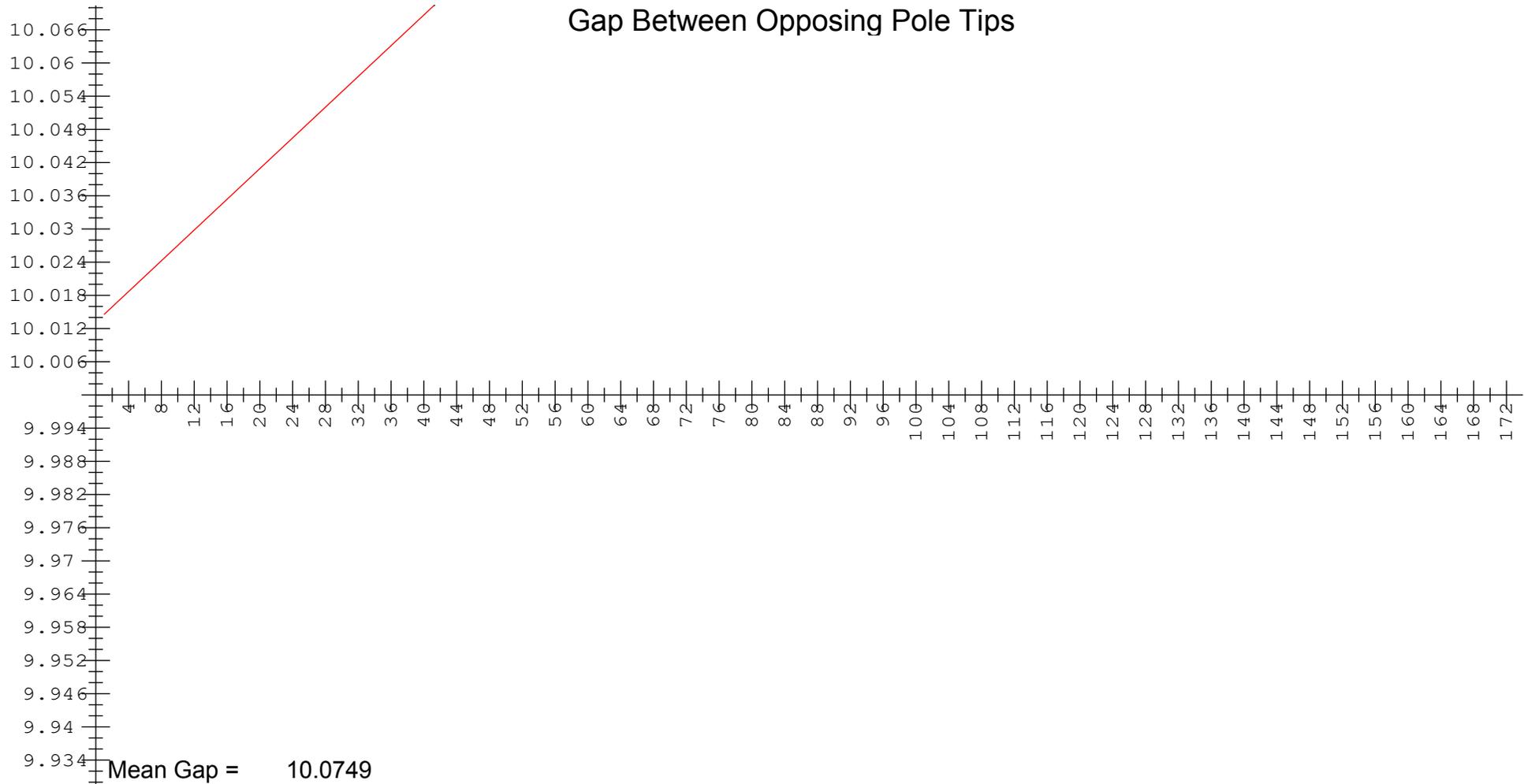
12-AUG-2019

S/N = 001

D/S = 0007

Run = 46

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 87

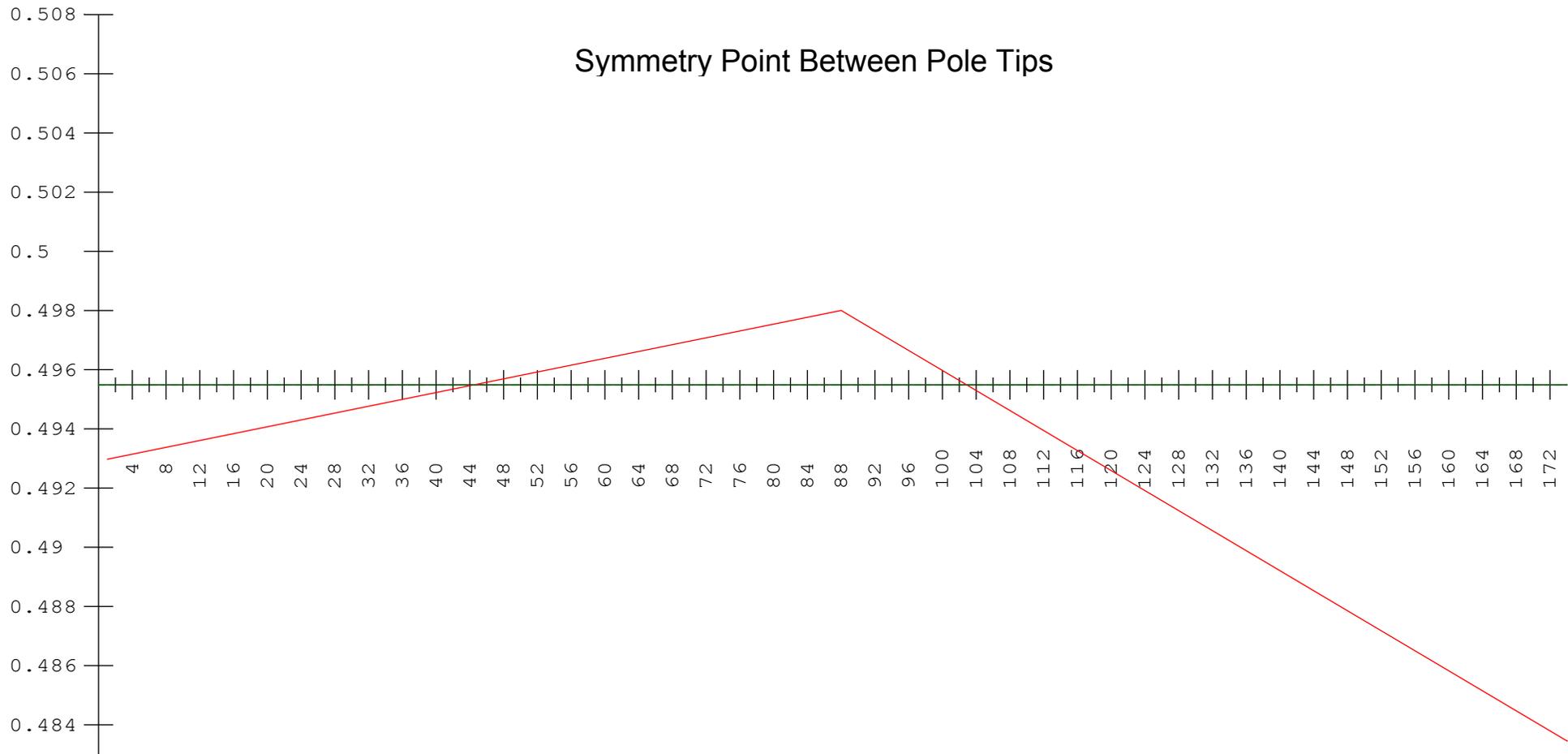
Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 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 = 46



Mean Symmetry Value = 0.4955

Step Between Measured Pole Tips = 87

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 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 = 46

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	5.4991	5.5292	5.6052	5.6361
Bottom	-4.5066	-4.5409	-4.6274	-4.6626
Gap	10.0057			10.2987
Taper				0.2930

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.5330	-4.5420	10.0749	0.4955

Additional Calculated Values

Bottom Pole #1 Z Value	980.086
Top Jaw Pitch (mrad)	0.041
Bottom Jaw Pitch(mrad)	-0.046
Minimum Effective Gap	10.015
Reference Block Gap	6.801

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10 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 = 46