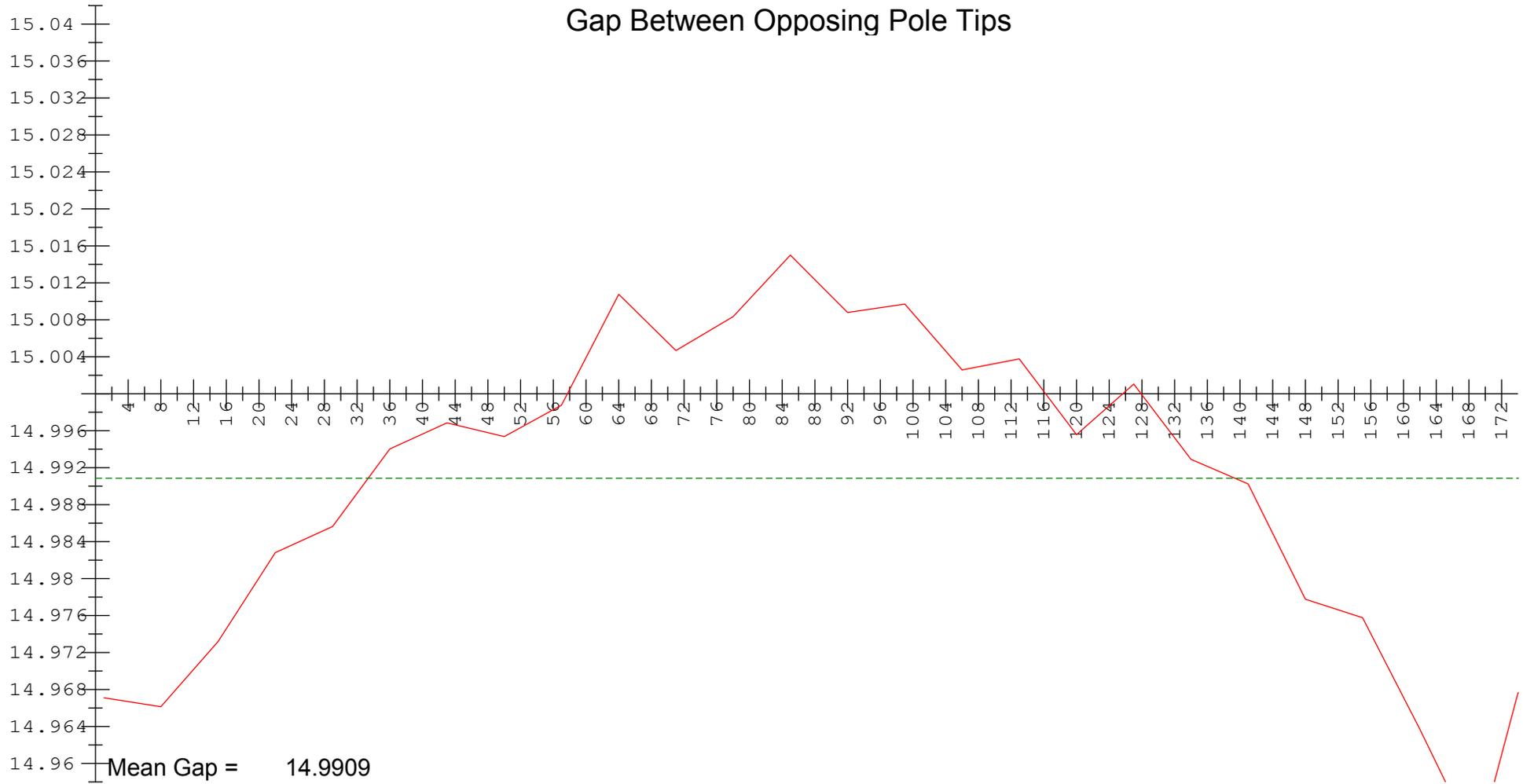


Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 7

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

 <p>SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY</p>	<h2 style="margin: 0;">LCLS II - SXR Undulator</h2> <p style="margin: 5px 0;">Nominal Gap = 15 Nominal Taper = 0.000</p> <p style="margin: 5px 0;">Gap Reading = 15.0001 US Encoder = 15.0001 DS Encoder = 15.0001</p>	<p style="margin: 0;">21-AUG-2018</p> <p style="margin: 5px 0;">S/N = 014</p> <p style="margin: 5px 0;">D/S = 0001</p> <p style="margin: 5px 0;">Run = 10</p>
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Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

Dimensions in mm

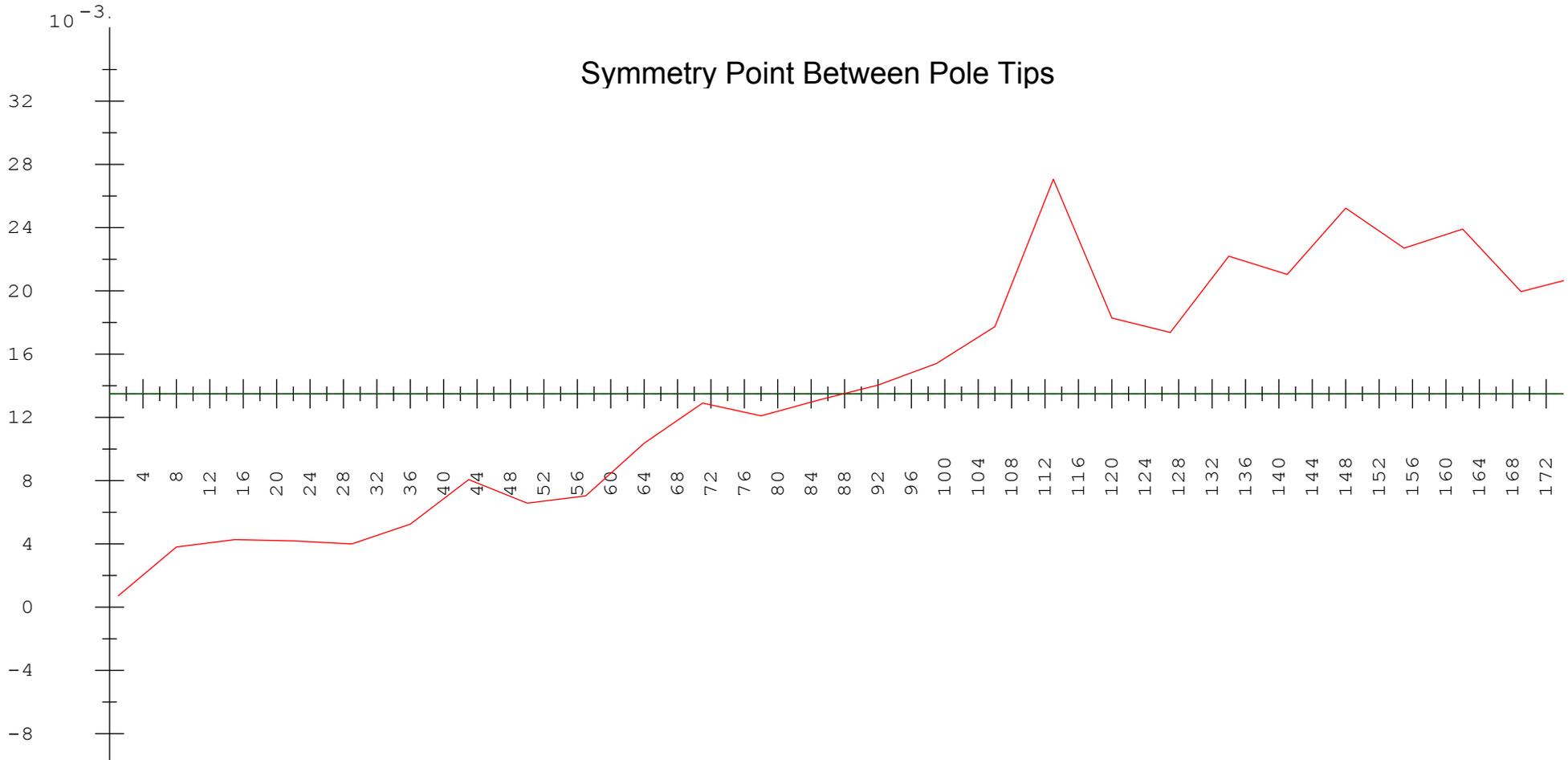


LCLS II - SXR Undulator

Nominal Gap = 15 Nominal Taper = 0.000
 Gap Reading = 15.0001 US Encoder = 15.0001 DS Encoder = 15.0001

21-AUG-2018
 S/N = 014
 D/S = 0001
 Run = 10

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0135

Step Between Measured Pole Tips = 7

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 15 Nominal Taper = 0.000
 Gap Reading = 15.0001 US Encoder = 15.0001 DS Encoder = 15.0001

21-AUG-2018
 S/N = 014
 D/S = 0001
 Run = 10

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	7.4988	7.5031	7.5141	7.5185
Bottom	-7.4951	-7.4891	-7.4738	-7.4676
Gap	14.9939			14.9861
Taper				-0.0079

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.5089	-7.4819	14.9909	0.0135

Additional Calculated Values

Bottom Pole #1 Z Value	979.941
Top Jaw Pitch (mrad)	0.006
Bottom Jaw Pitch(mrad)	0.008
Minimum Effective Gap	14.940
Reference Block Gap	6.806

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 15 Nominal Taper = 0.000
 Gap Reading = 15.0001 US Encoder = 15.0001 DS Encoder = 15.0001

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 S/N = 014
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 Run= 10