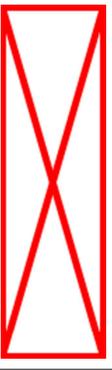


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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



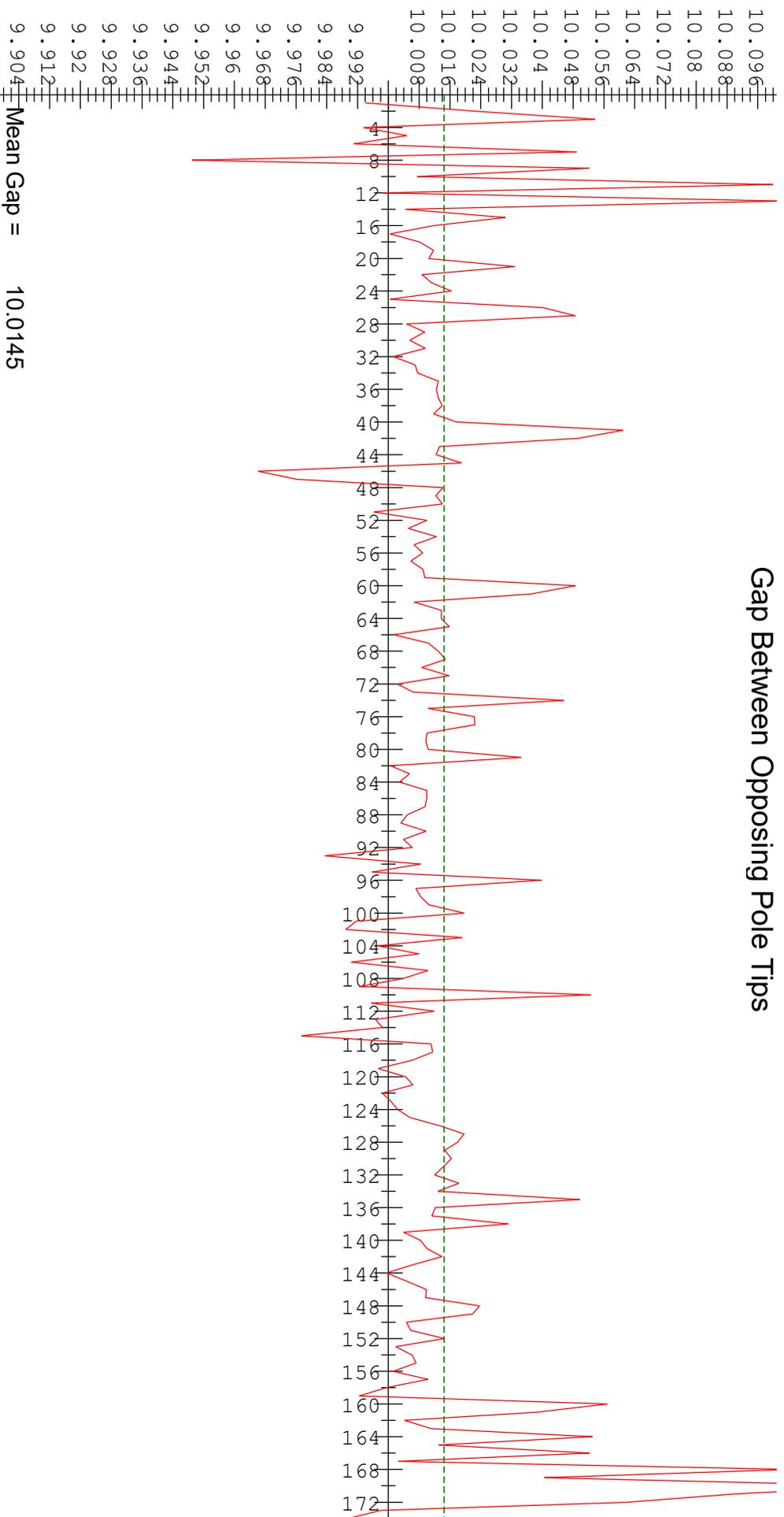
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10
Nominal Taper = 0.000
Gap Reading = 10.0000
US Encoder = 0.0100
DS Encoder = 0.0100

16-JUL-2024
S/N = 021
D/S = 0001
Run = 21

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



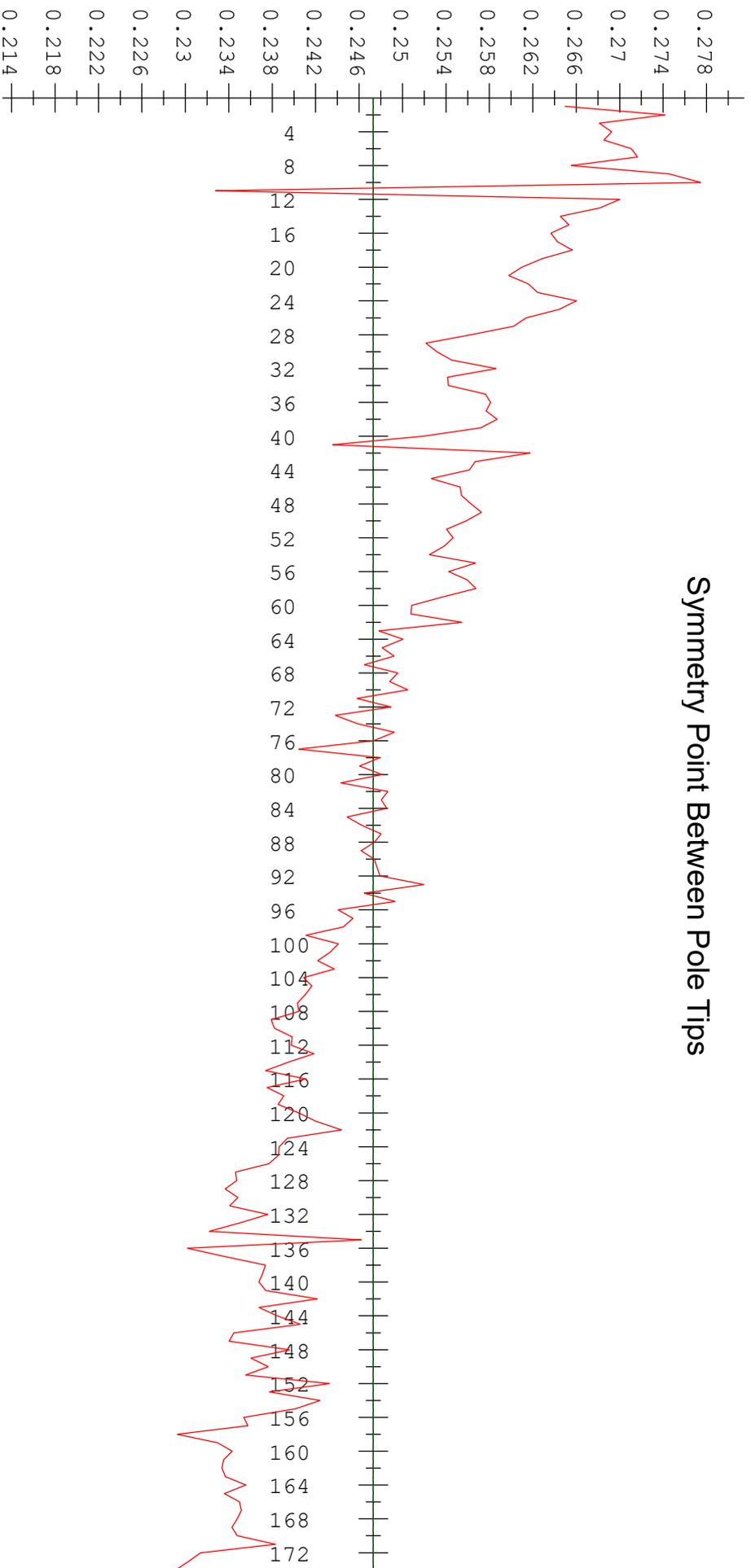
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10
Nominal Taper = 0.000
Gap Reading = 10.0000
US Encoder = 0.0100
DS Encoder = 0.0100

16-JUL-2024
S/N = 021
D/S = 0001
Run = 21

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2473

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0000 US Encoder = 0.0100 DS Encoder = 0.0100

16-JUL-2024
S/N = 021
D/S = 0001
Run = 21

Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole <i>(Pole -1)</i>	US Actuator <i>(Pole 39)</i>	DS Actuator <i>(Pole 135)</i>	Last Pole <i>(Pole 174)</i>
Top	5.2707	5.2636	5.2457	5.2384
Bottom	-4.7412	-4.7494	-4.7702	-4.7787
Gap	10.0119			10.0171
Taper				0.0052

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2546	-4.7599	10.0145	0.2473

Additional Calculated Values

Bottom Pole #1 Z Value	980.139
Top Jaw Pitch (mrad)	-0.010
Bottom Jaw Pitch(mrad)	-0.011
Minimum Effective Gap	9.933
Reference Block Gap	6.797

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0000 US Encoder = 0.0100 DS Encoder = 0.0100

16-JUL-2024
 S/N = 021
 D/S = 0001
 Run = 21