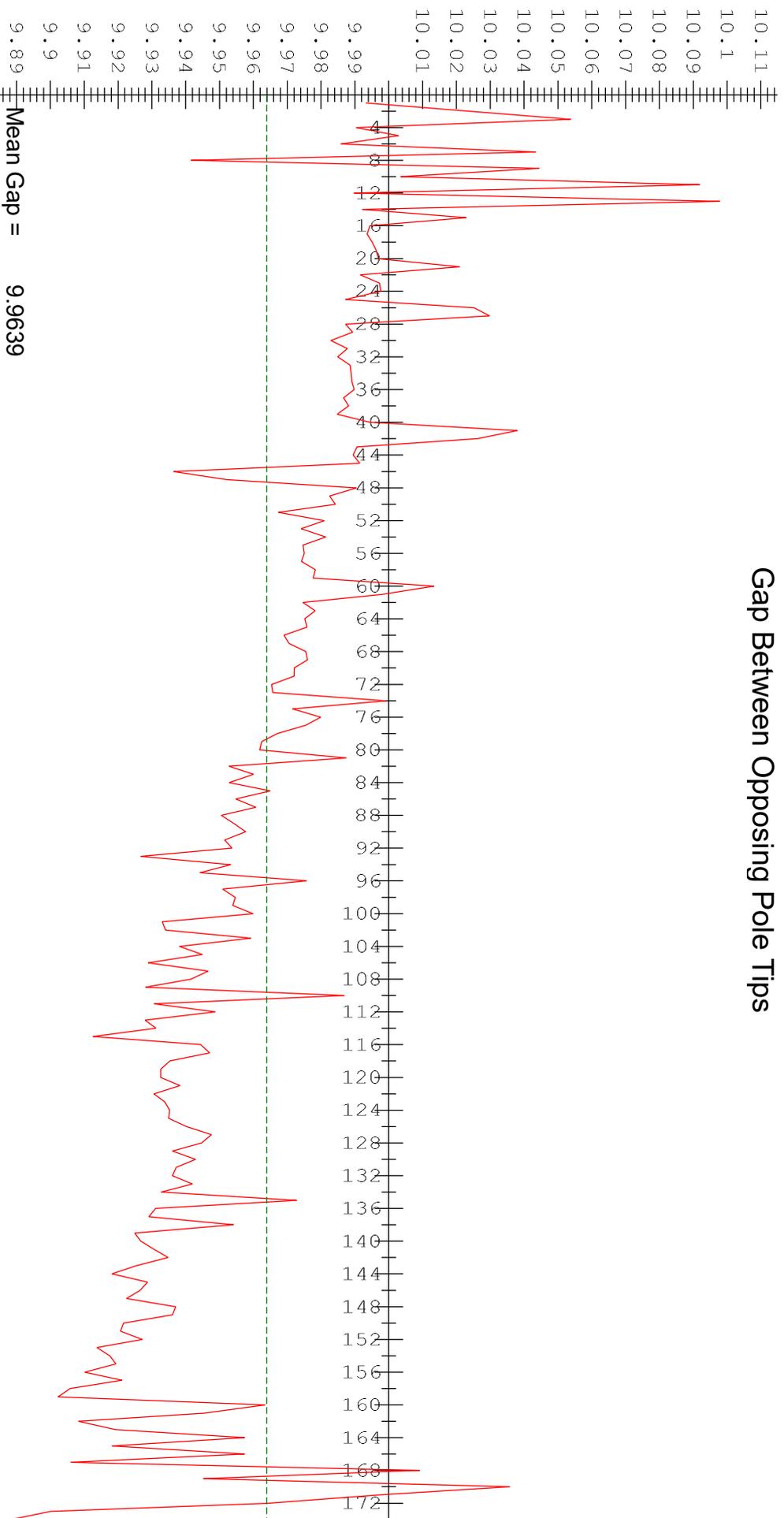
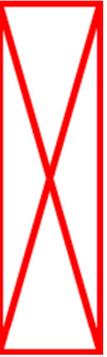


Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



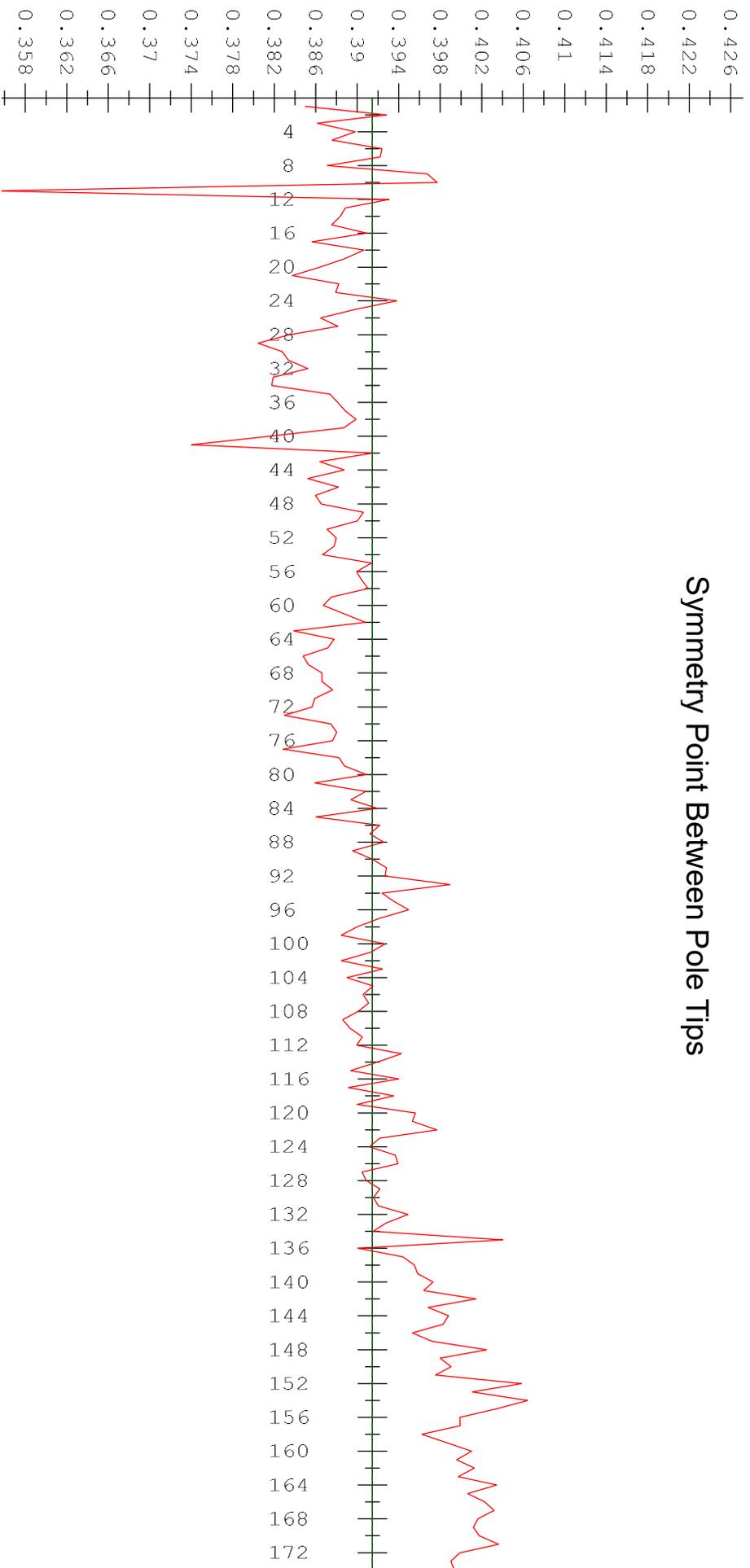
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10
Nominal Taper = -0.100
Gap Reading = 9.9500
US Encoder = 10.0000
DS Encoder = 9.9000

14-JUL-2020
S/N = 021
D/S = 0001
Run = 22

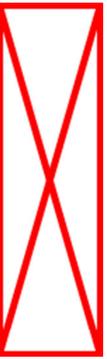
Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3915

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

14-JUL-2020
S/N = 021
D/S = 0001
Run = 22

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	5.3888	5.3820	5.3650	5.3580
Bottom	-4.6213	-4.6078	-4.5736	-4.5596
Gap	10.0101			9.9177
Taper				-0.0925

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3734	-4.5905	9.9639	0.3915

Additional Calculated Values

Bottom Pole #1 Z Value	980.159
Top Jaw Pitch (mrad)	-0.009
Bottom Jaw Pitch(mrad)	0.018
Minimum Effective Gap	9.888
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
 Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

14-JUL-2020
 S/N = 021
 D/S = 0001
 Run = 22