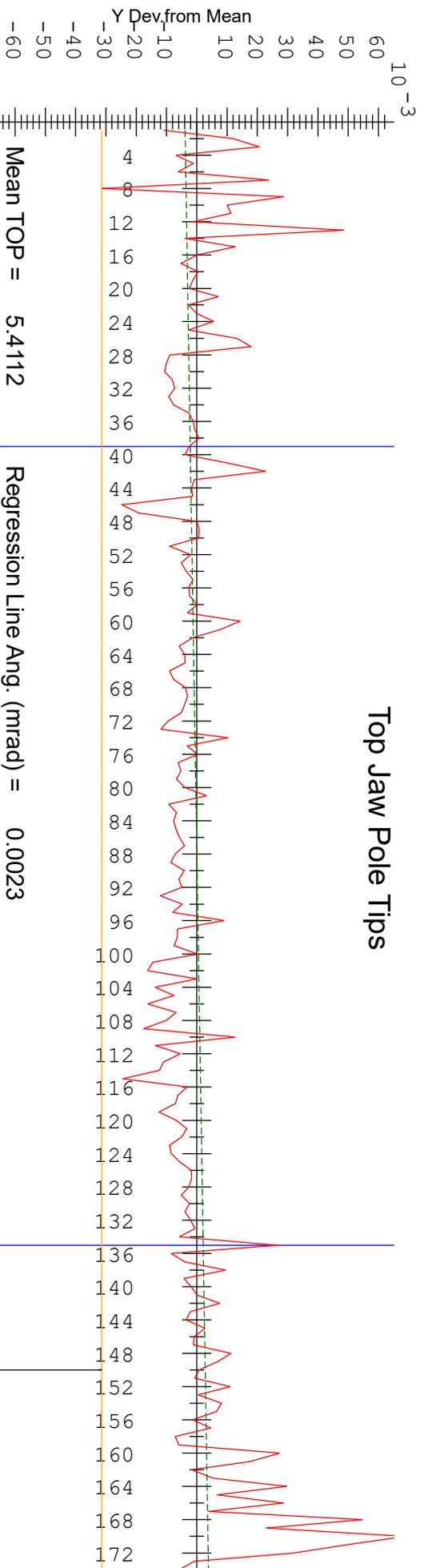


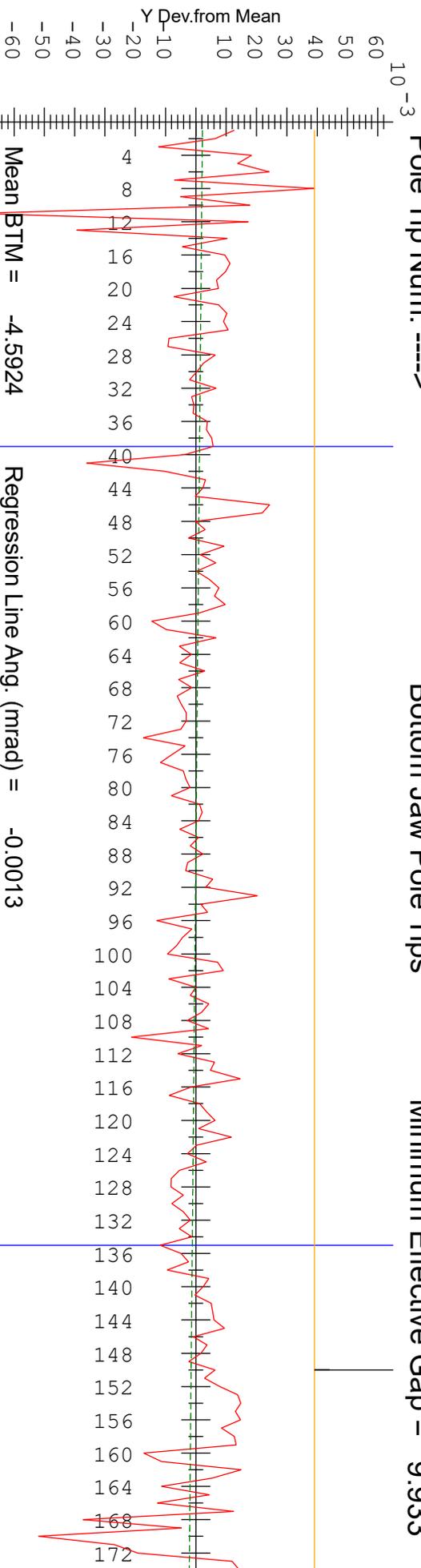
Top Jaw Pole Tips



Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.933



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

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



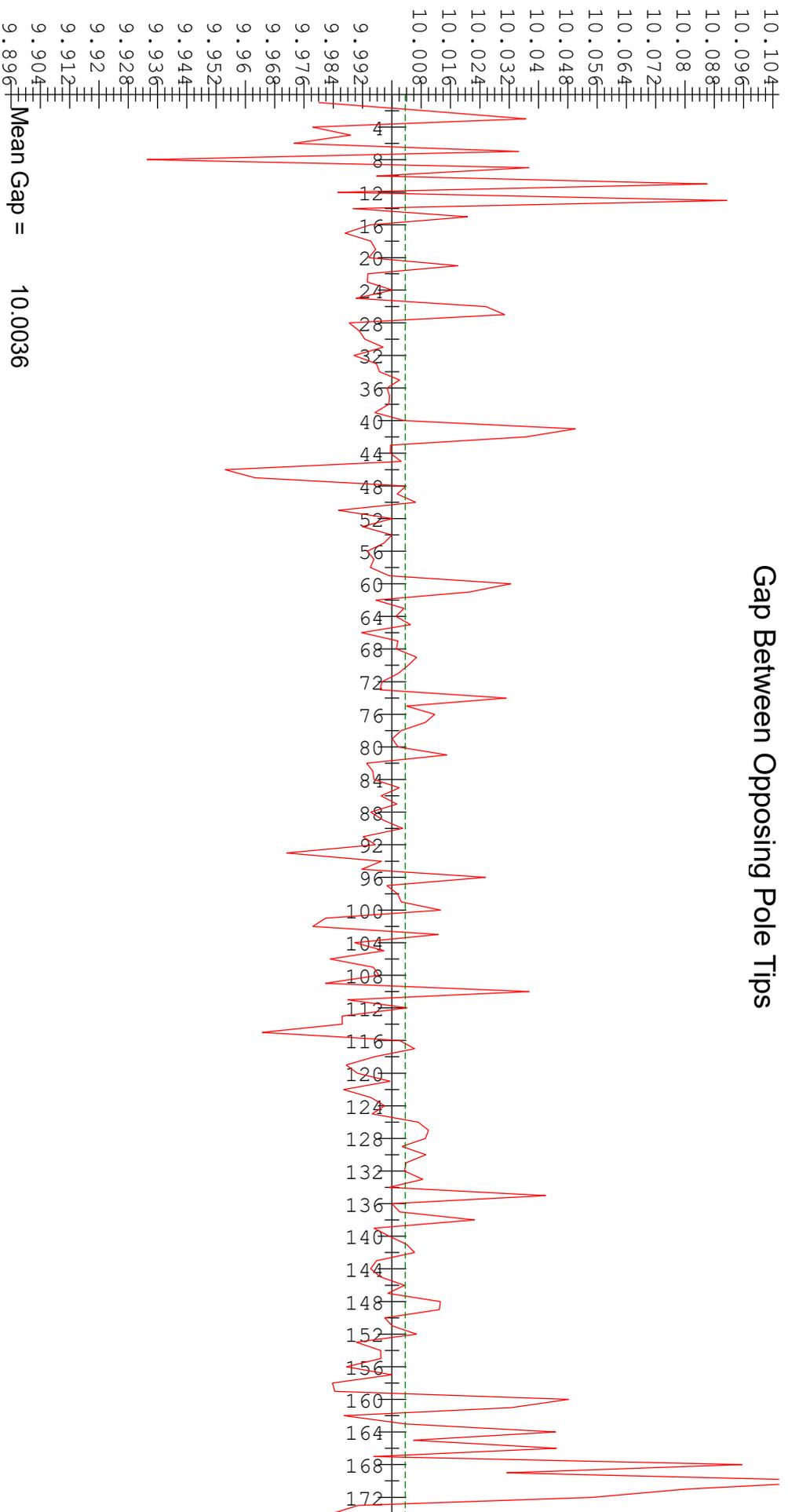
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 9.9999 US Encoder = 9.9999 DS Encoder = 9.9999

19-JUL-2021
S/N = 021
D/S = 0002
Run = 10

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



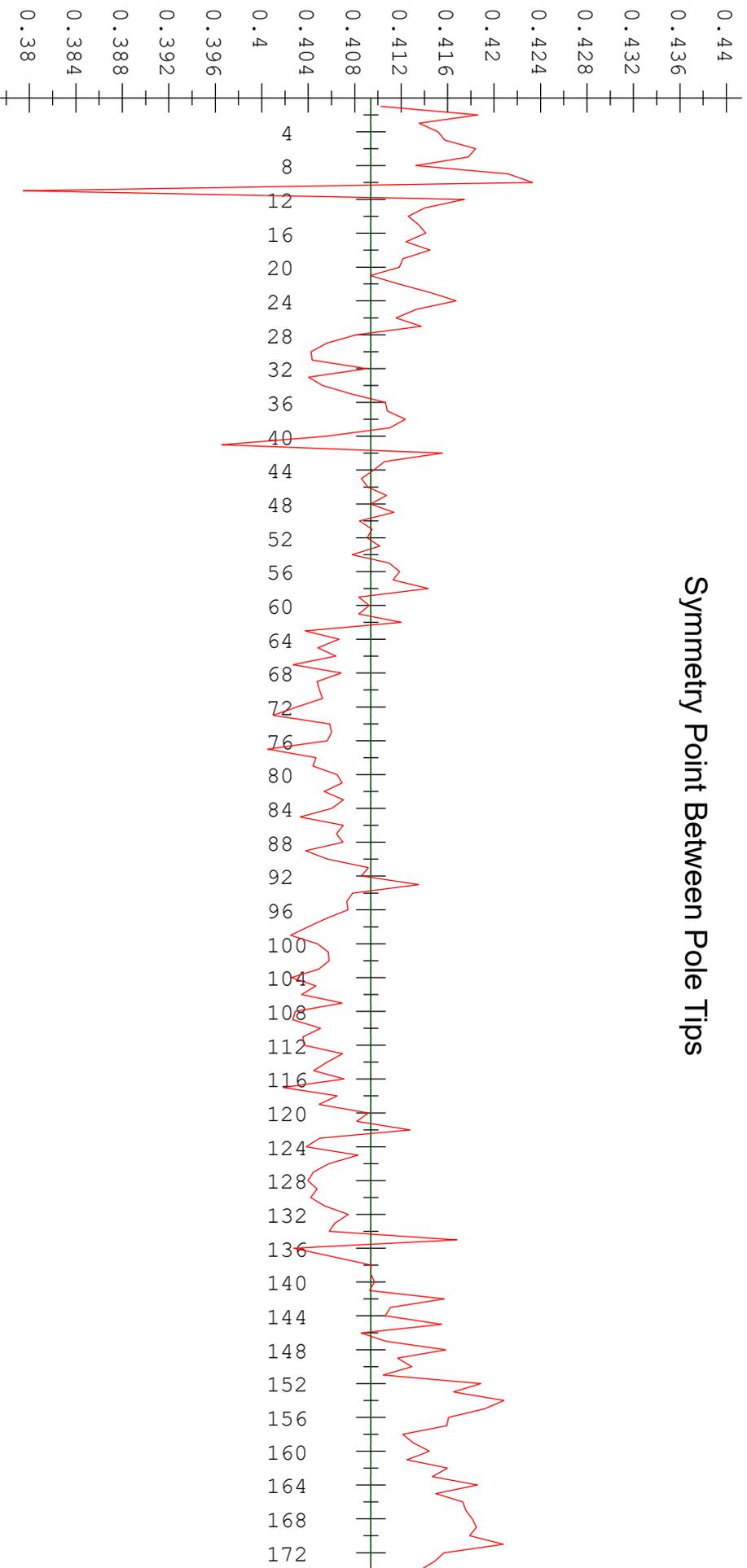
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 9.9999 US Encoder = 9.9999 DS Encoder = 9.9999

19-JUL-2021
S/N = 021
D/S = 0002
Run = 10

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4094

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 9.9999 US Encoder = 9.9999 DS Encoder = 9.9999

19-JUL-2021
S/N = 021
D/S = 0002
Run = 10

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	5.4073	5.4090	5.4133	5.4151
Bottom	-4.5903	-4.5912	-4.5936	-4.5946
Gap	9.9976			10.0096
Taper				0.0121

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4112	-4.5924	10.0036	0.4094

Additional Calculated Values

Bottom Pole #1 Z Value	980.186
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	-0.001
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 = 9.9999 US Encoder = 9.9999 DS Encoder = 9.9999

19-JUL-2021
 S/N = 021
 D/S = 0002
 Run = 10