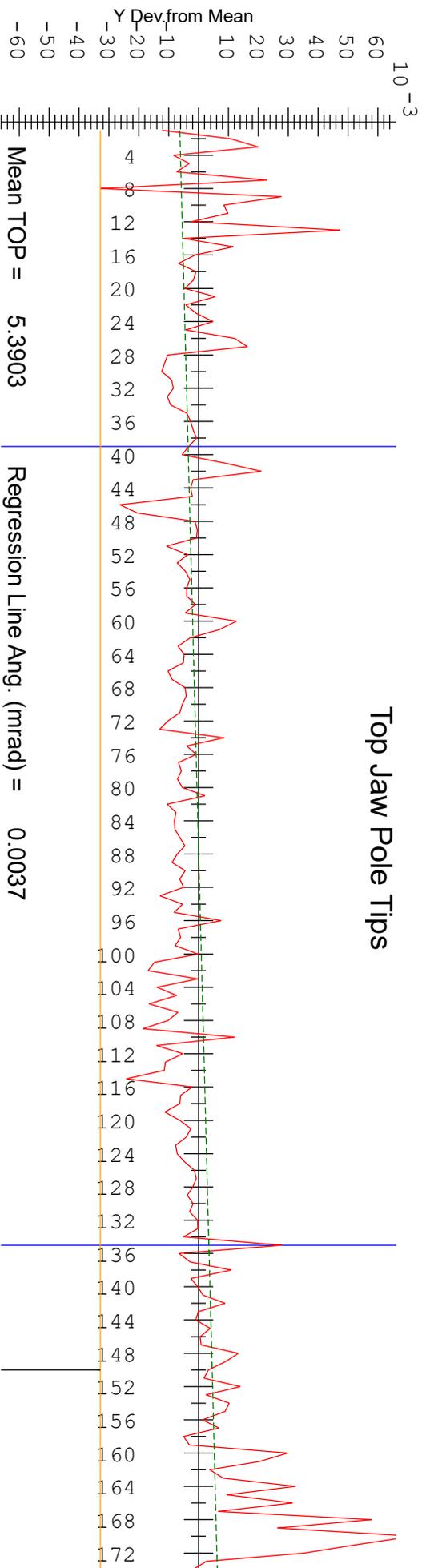


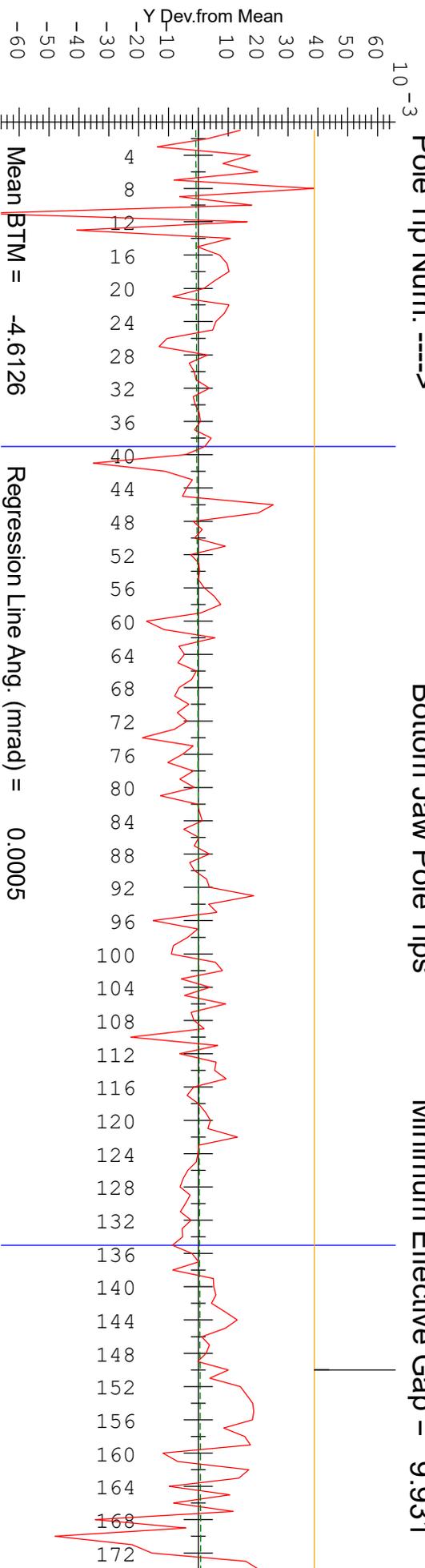
Top Jaw Pole Tips



Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.931



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

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



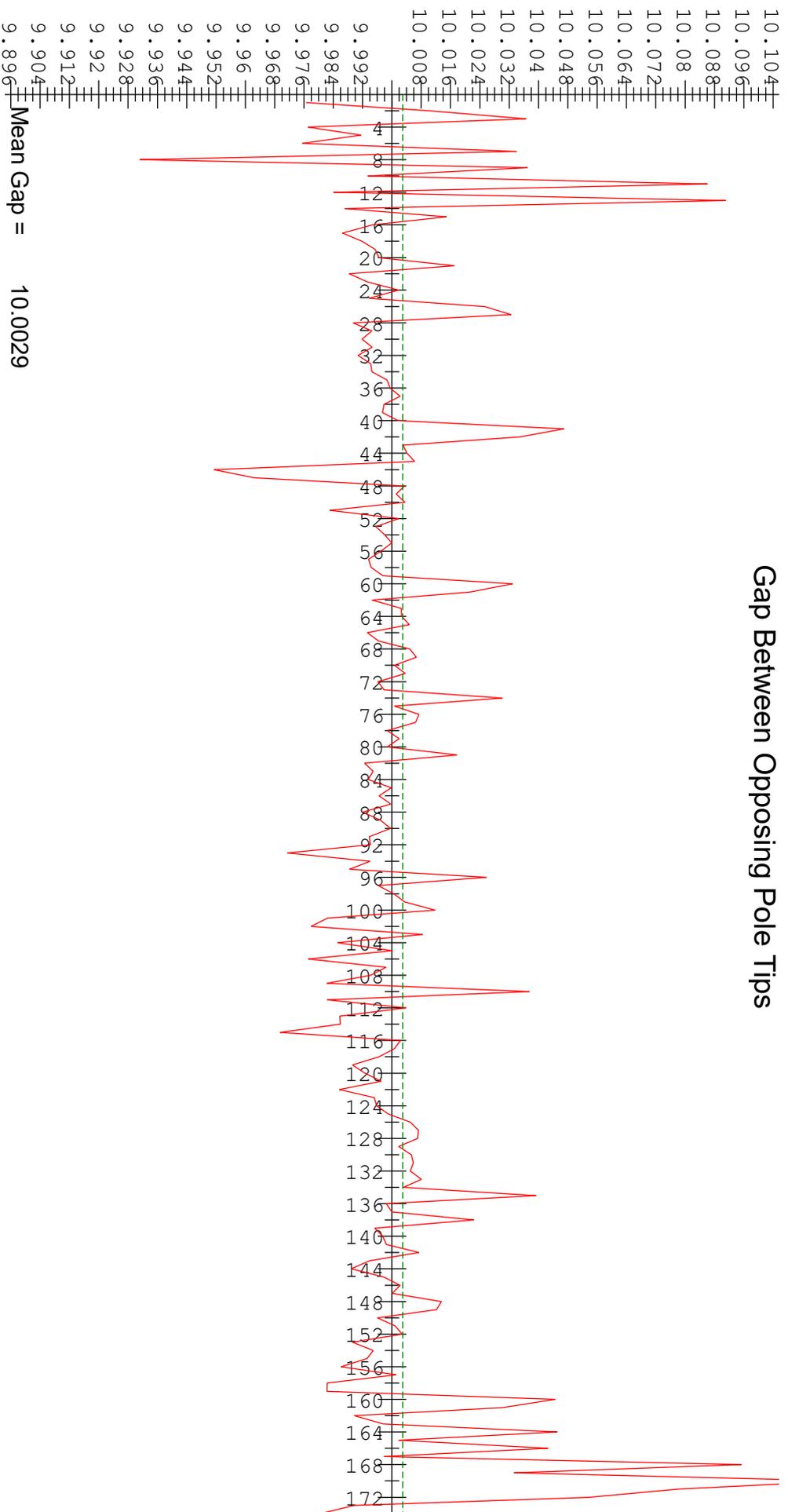
METROLOGY

LCLS II - SXR Undulator

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

11-AUG-2021
S/N = 021
D/S = 0002
Run = 14

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



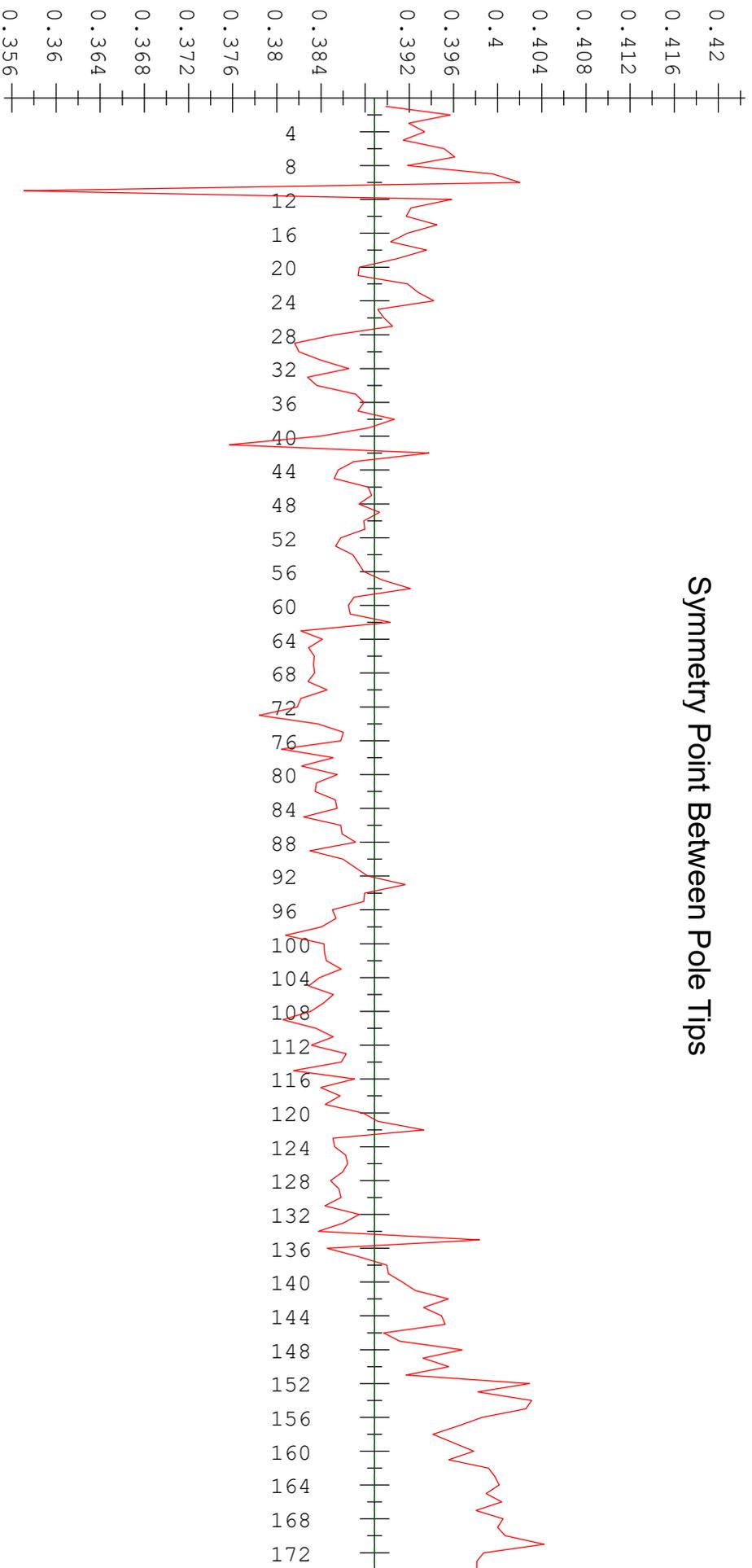
METROLOGY

LCLS II - SXR Undulator

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

11-AUG-2021
 S/N = 021
 D/S = 0002
 Run = 14

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3889

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 = 10.0000 DS Encoder = 10.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 14

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	5.3840	5.3868	5.3938	5.3966
Bottom	-4.6134	-4.6131	-4.6121	-4.6118
Gap	9.9975			10.0084
Taper				0.0109

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3903	-4.6126	10.0029	0.3889

Additional Calculated Values

Bottom Pole #1 Z Value	980.195
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	9.931
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

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

11-AUG-2021
 S/N = 021
 D/S = 0002
 Run = 14