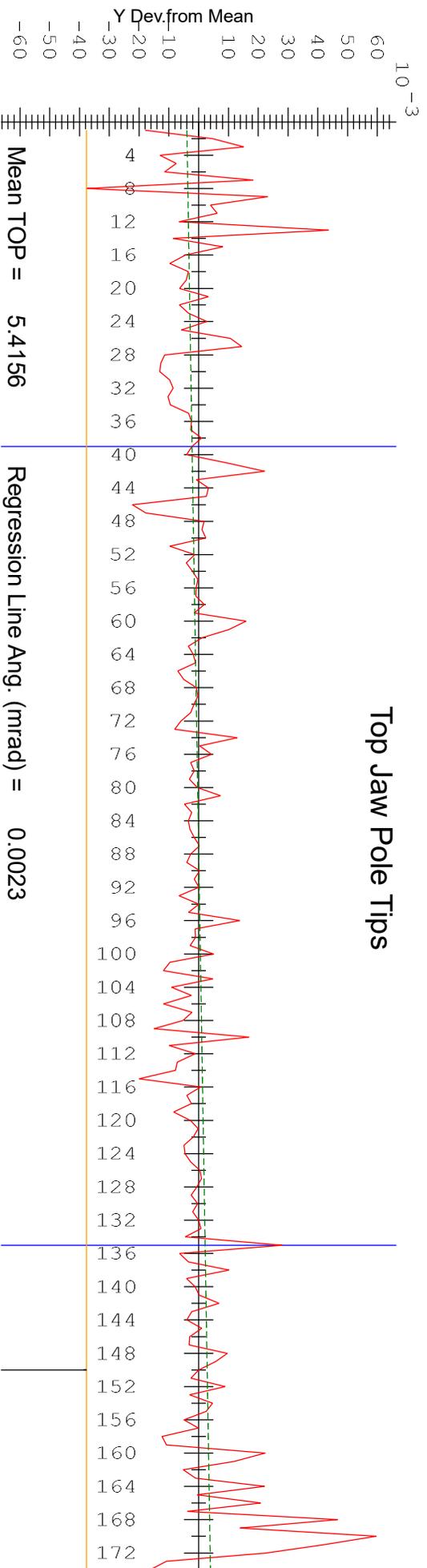


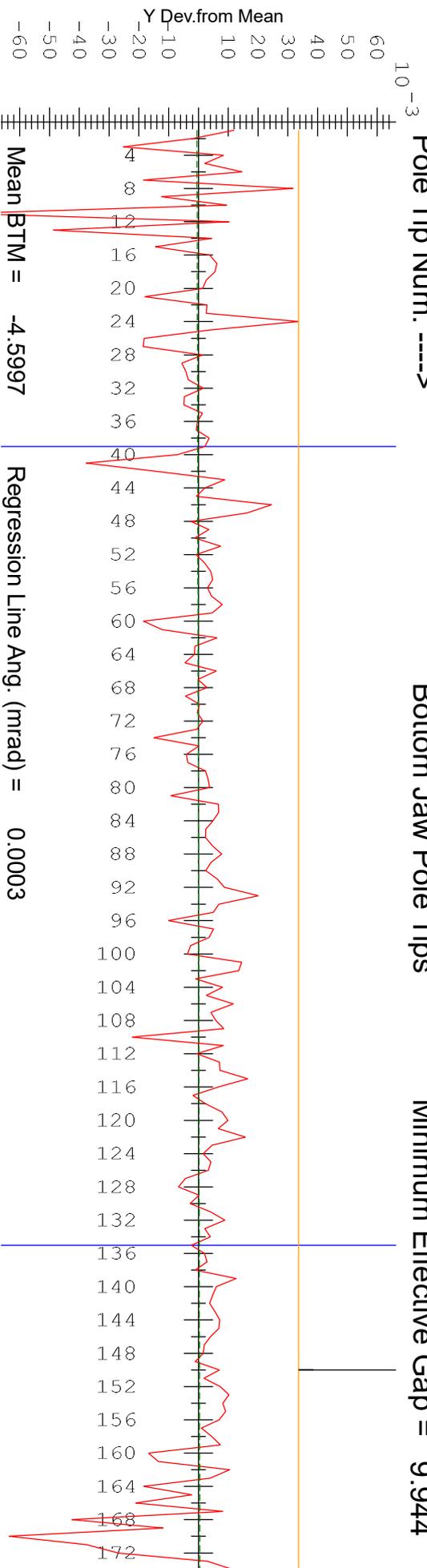
Top Jaw Pole Tips



Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.944



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

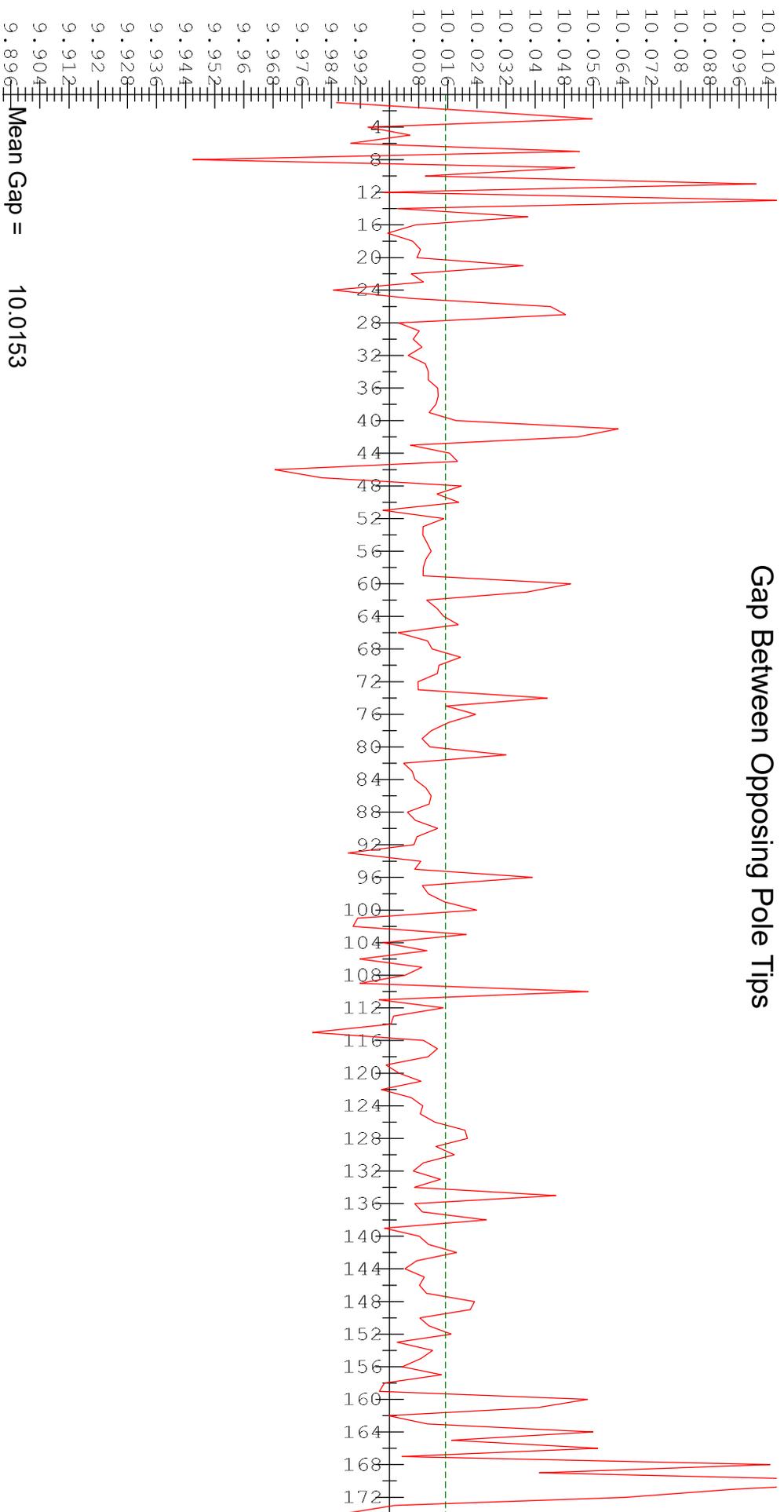
Nominal Gap = 10
Gap Reading = 10.0000

Nominal Taper = 0.000
US Encoder = 10.0000

DS Encoder = 10.0000

08-MAR-2021
S/N = 021
D/S = 0002
Run = 2

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



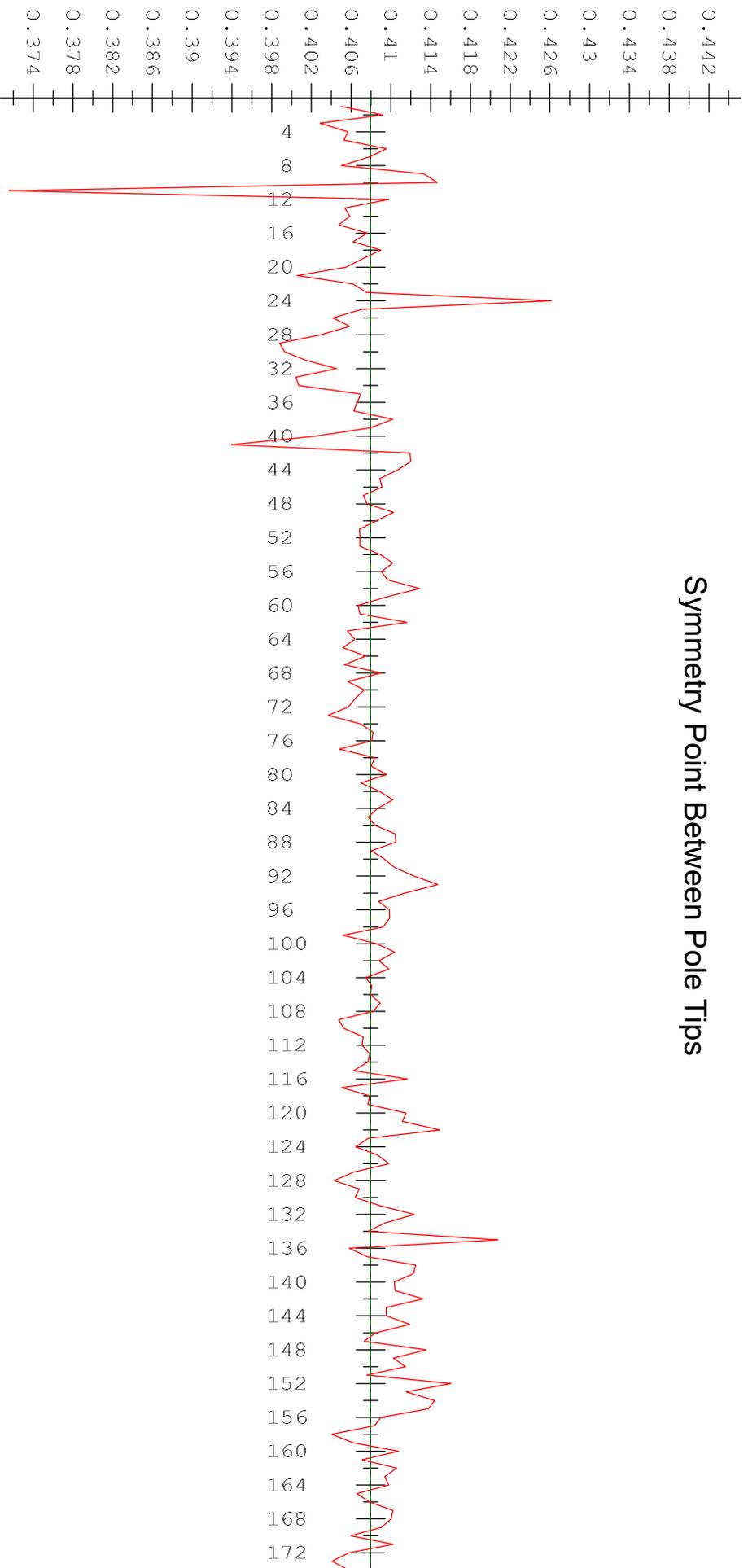
METROLOGY

LCLS II - SXR Undulator

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

08-MAR-2021
 S/N = 021
 D/S = 0002
 Run = 2

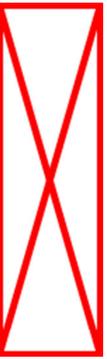
Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4079

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

08-MAR-2021
S/N = 021
D/S = 0002
Run = 2

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	5.4117	5.4134	5.4178	5.4196
Bottom	-4.6002	-4.6000	-4.5995	-4.5992
Gap	10.0119			10.0188
Taper				0.0069

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4156	-4.5997	10.0153	0.4079

Additional Calculated Values

Bottom Pole #1 Z Value	980.086
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	9.944
Reference Block Gap	6.798

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

08-MAR-2021
 S/N = 021
 D/S = 0002
 Run = 2