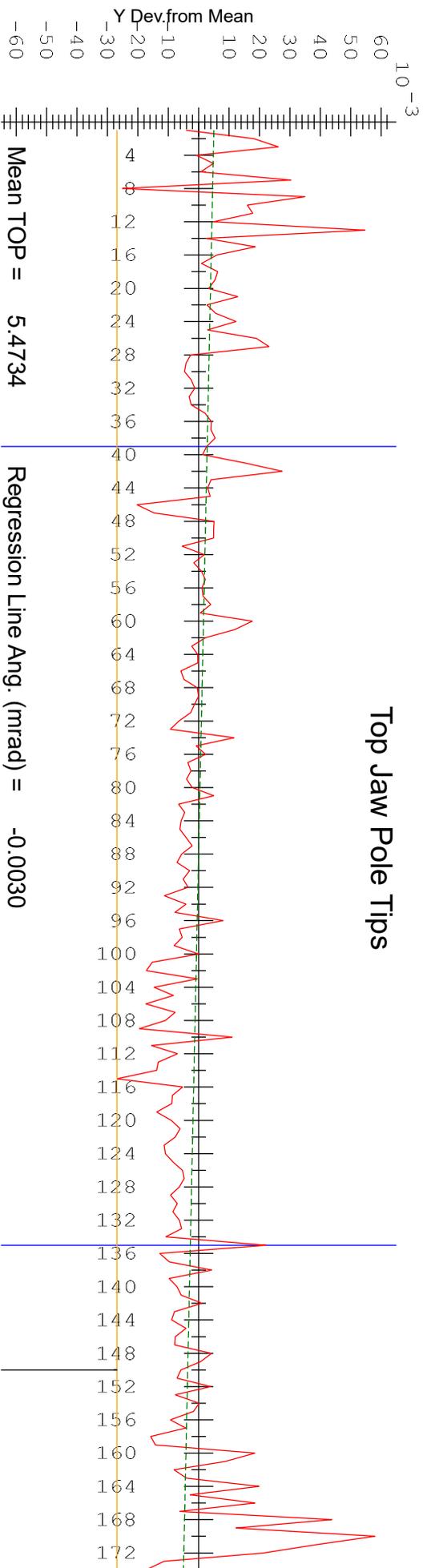
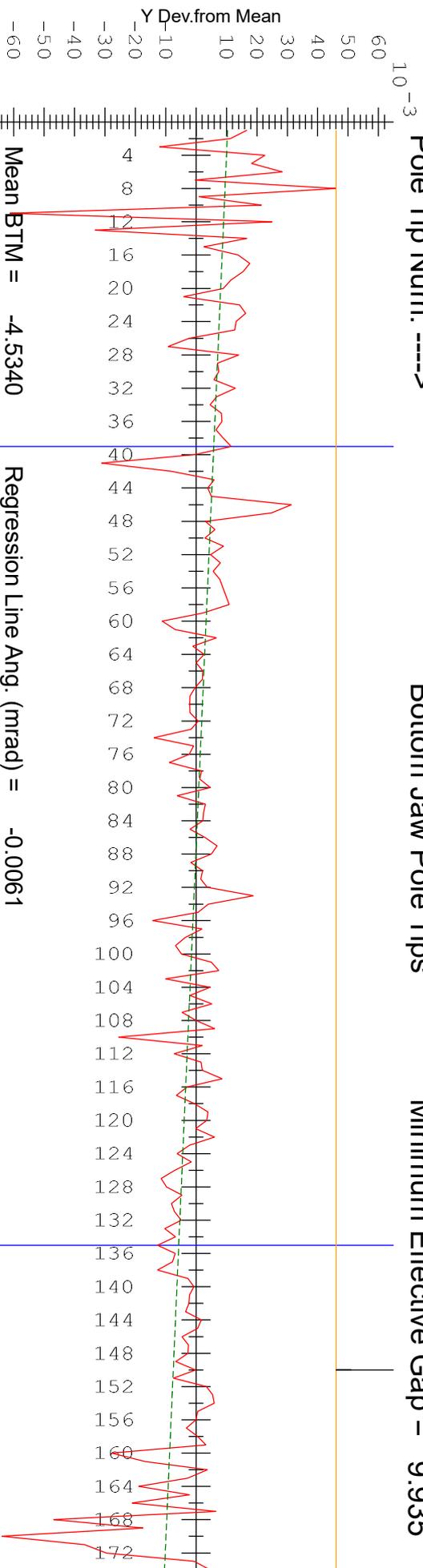


Top Jaw Pole Tips



Pole Tip Num. ---->



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

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



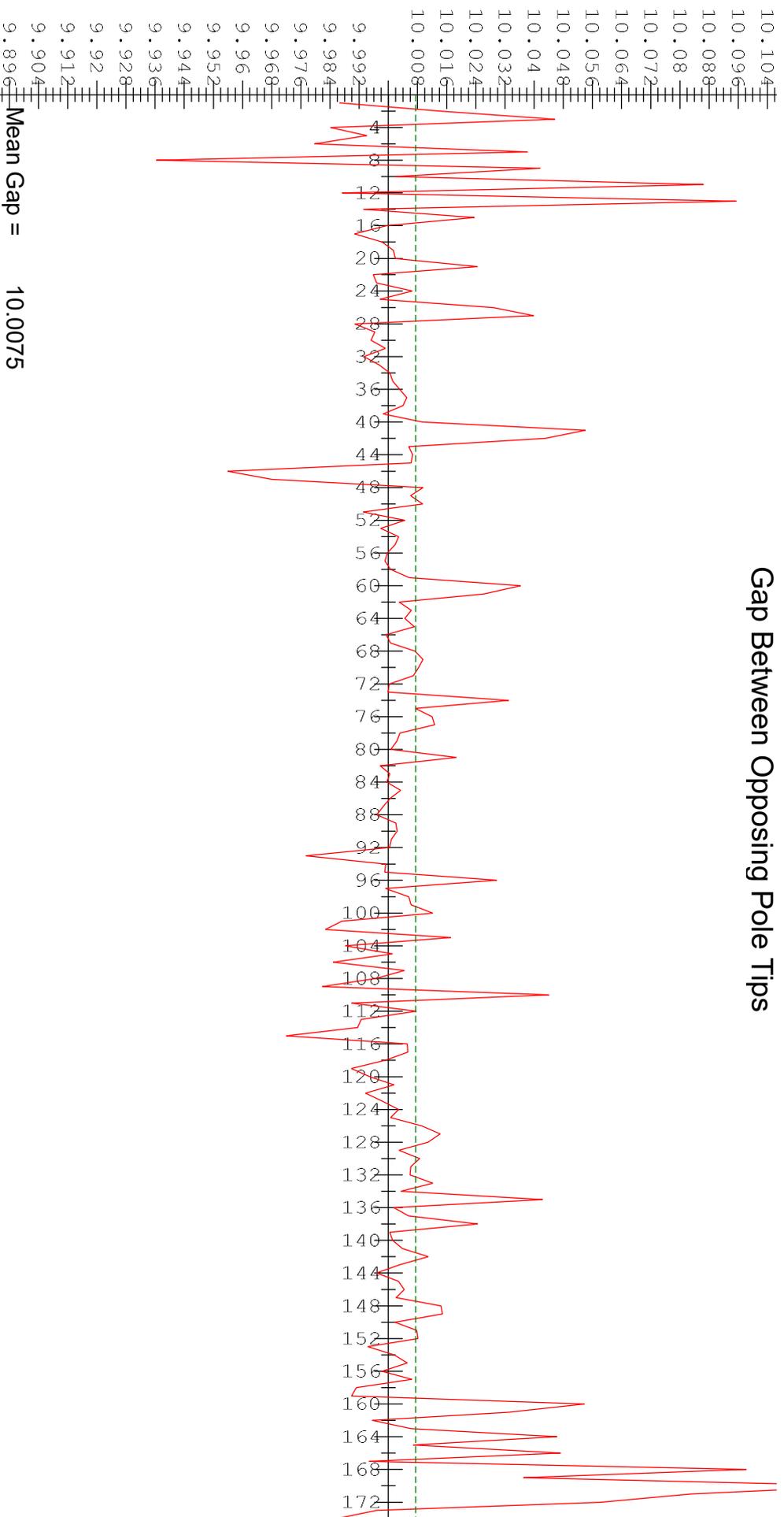
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10
Nominal Taper = 0.000
Gap Reading = 10.0003
US Encoder = 10.0005
DS Encoder = 10.0002

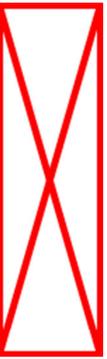
11-MAY-2021
S/N = 021
D/S = 0002
Run = 7

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



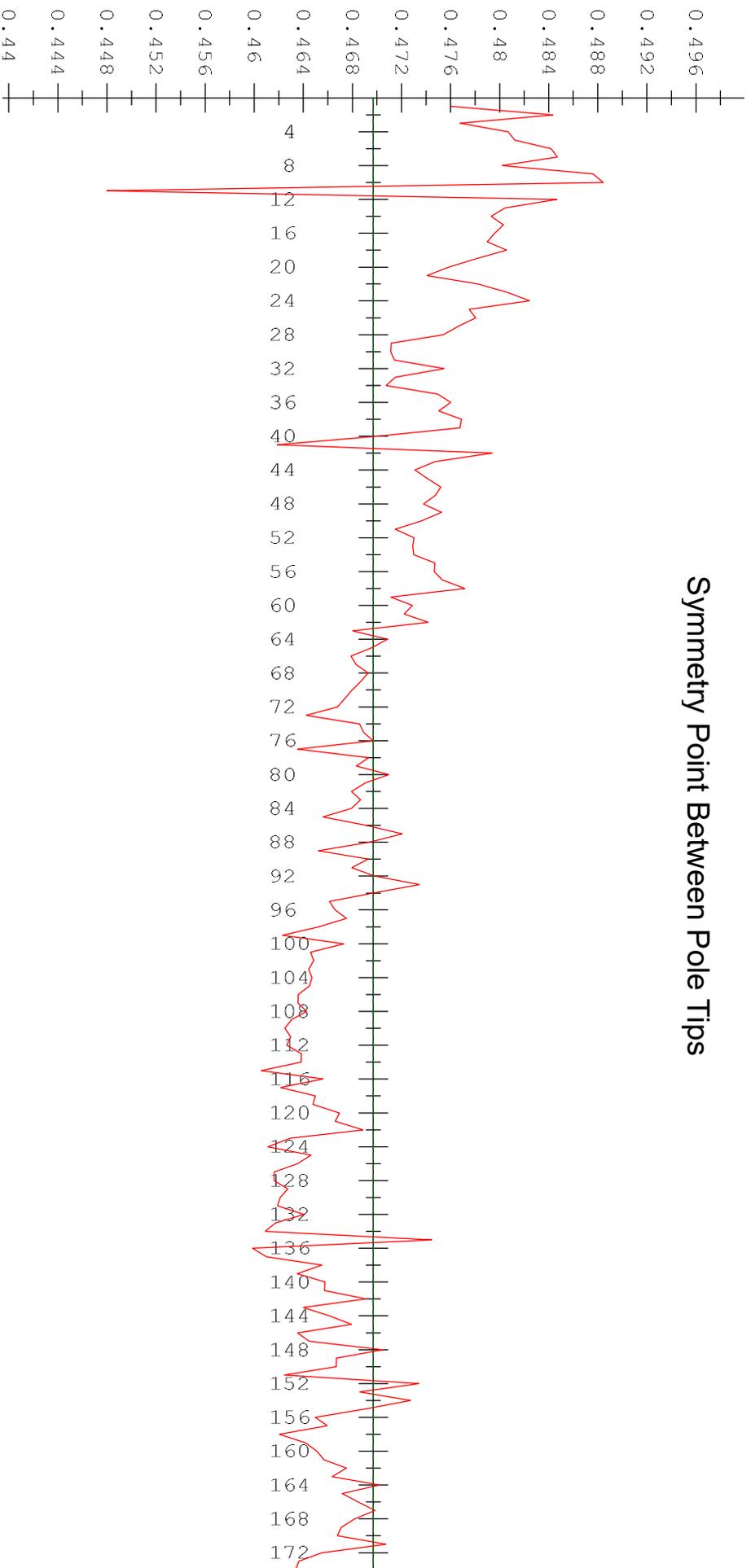
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0003 US Encoder = 10.0005 DS Encoder = 10.0002

11-MAY-2021
S/N = 021
D/S = 0002
Run = 7

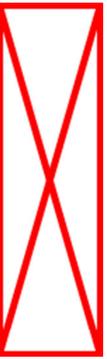
Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4697

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0003 US Encoder = 10.0005 DS Encoder = 10.0002

11-MAY-2021
S/N = 021
D/S = 0002
Run = 7

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	5.4784	5.4762	5.4707	5.4685
Bottom	-4.5237	-4.5282	-4.5397	-4.5444
Gap	10.0021			10.0129
Taper				0.0108

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4734	-4.5340	10.0075	0.4697

Additional Calculated Values

Bottom Pole #1 Z Value	980.211
Top Jaw Pitch (mrad)	-0.003
Bottom Jaw Pitch(mrad)	-0.006
Minimum Effective Gap	9.935
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0003 US Encoder = 10.0005 DS Encoder = 10.0002

11-MAY-2021
 S/N = 021
 D/S = 0002
 Run = 7