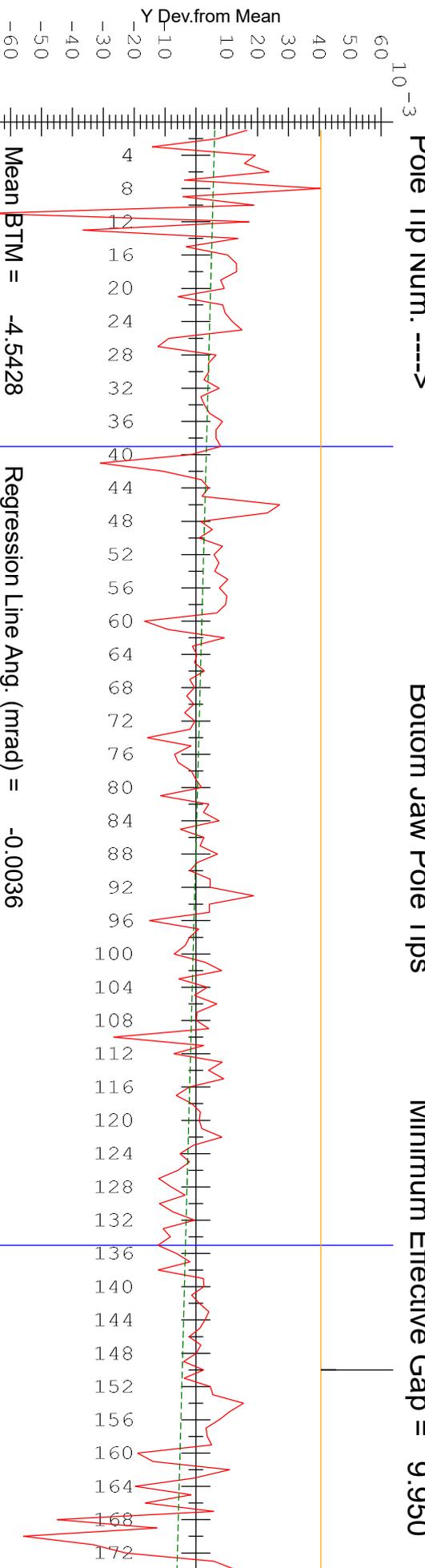
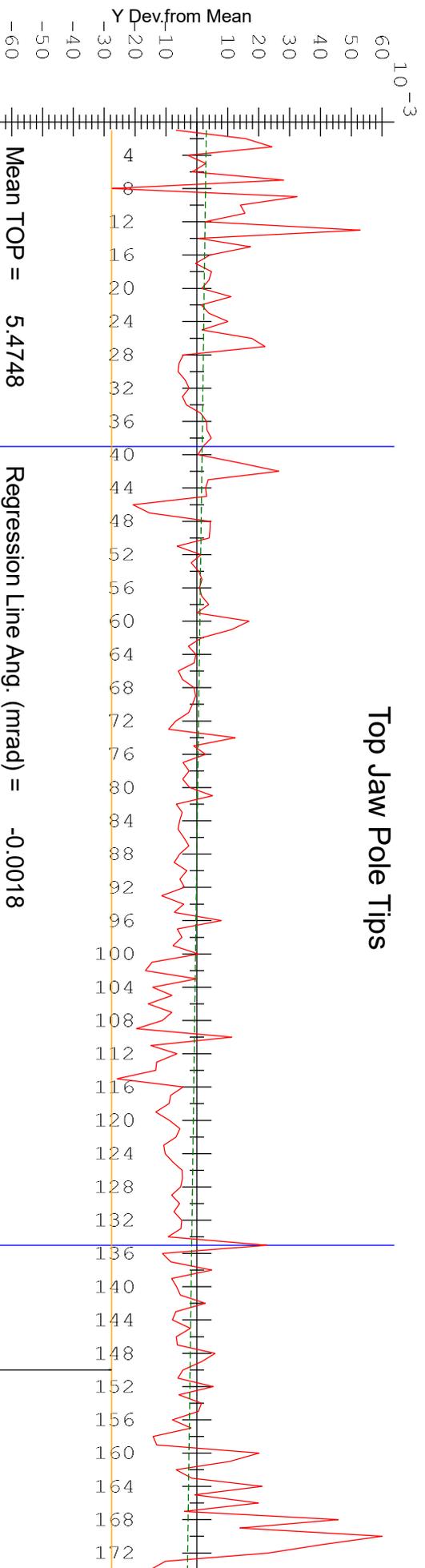


Top Jaw Pole Tips



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

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



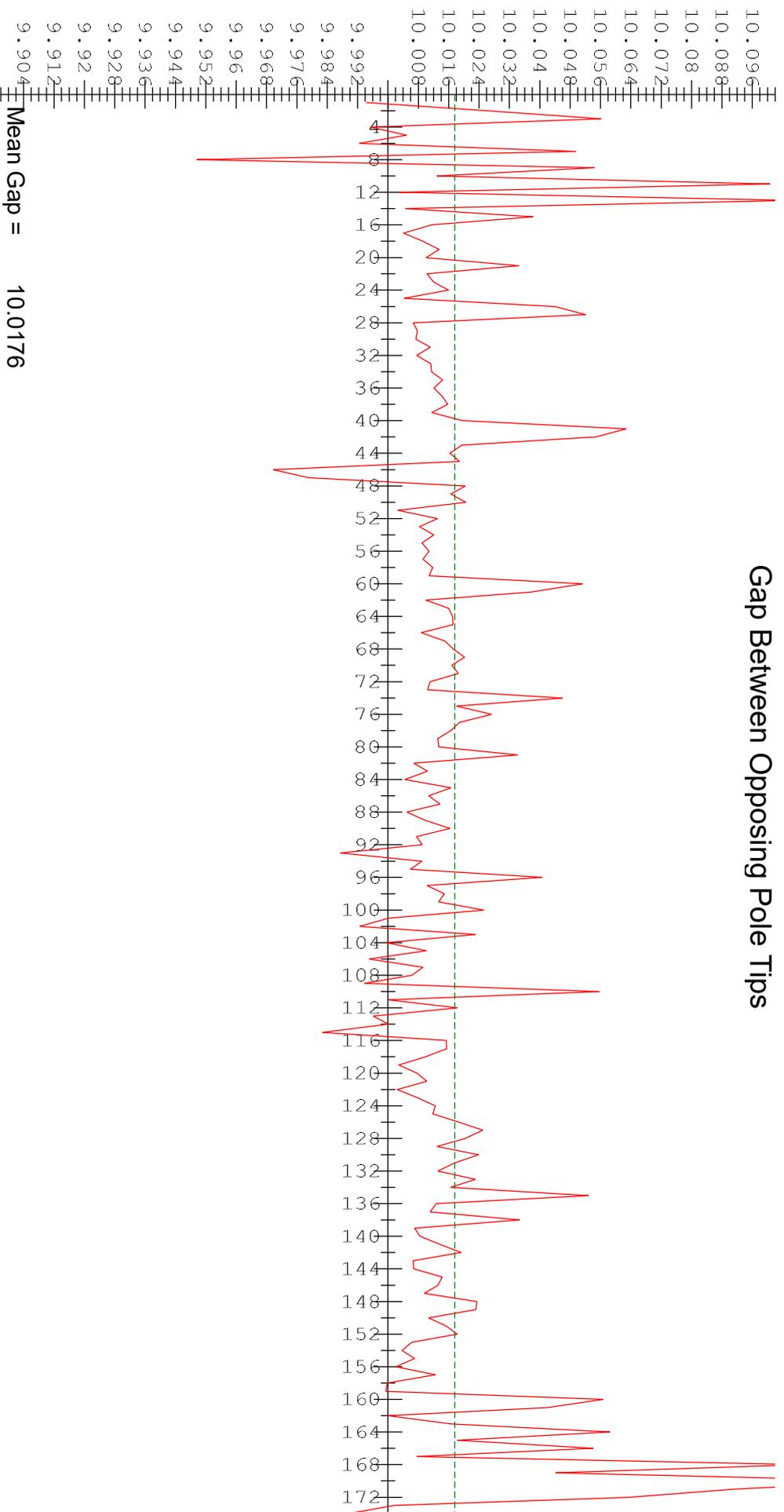
METROLOGY

LCLS II - SXR Undulator

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

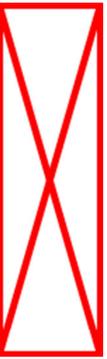
27-APR-2021
S/N = 021
D/S = 0002
Run = 3

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



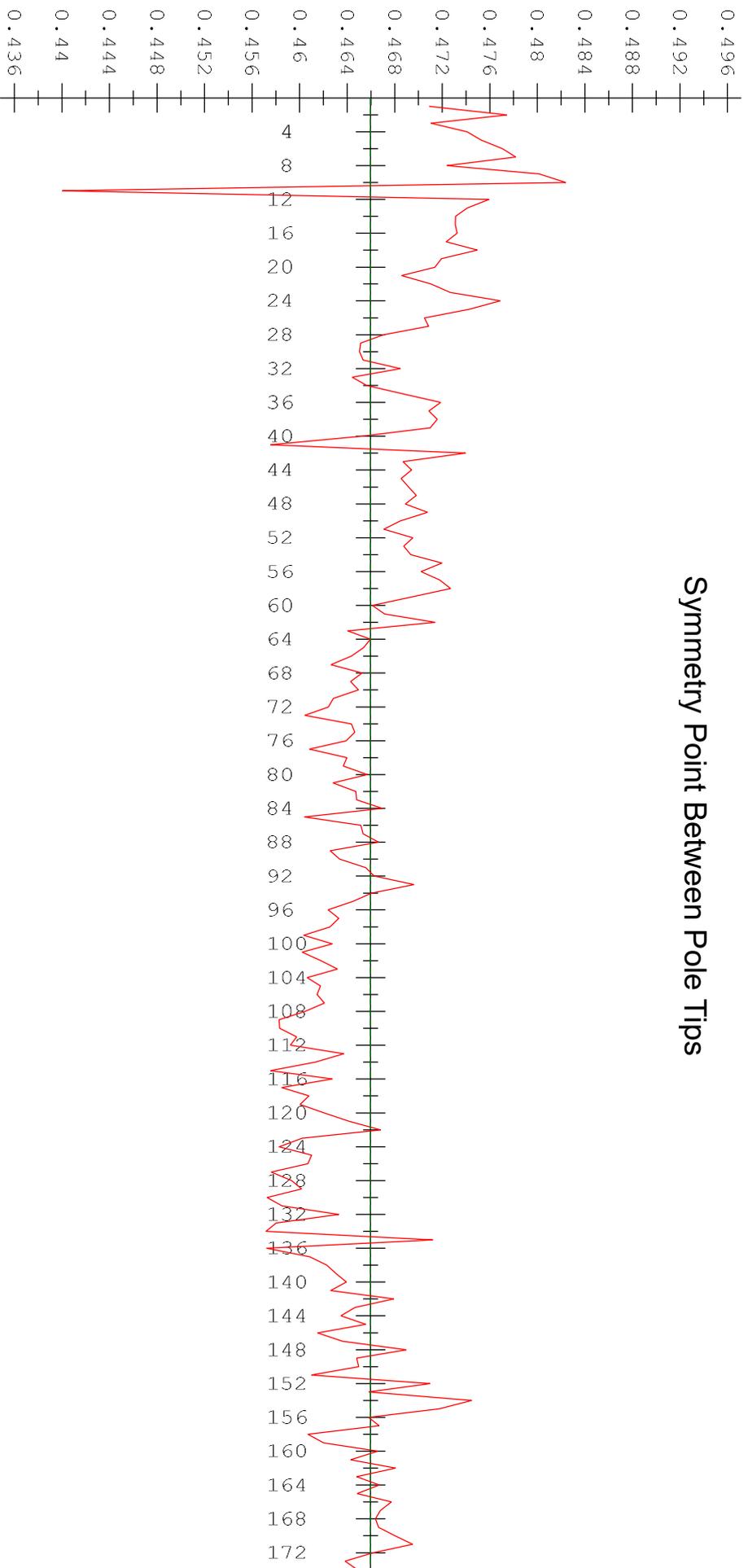
METROLOGY

LCLS II - SXR Undulator

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

27-APR-2021
S/N = 021
D/S = 0002
Run = 3

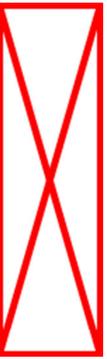
Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4660

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

27-APR-2021
S/N = 021
D/S = 0002
Run = 3

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	5.4778	5.4765	5.4731	5.4717
Bottom	-4.5367	-4.5394	-4.5462	-4.5490
Gap	10.0146			10.0207
Taper				0.0061

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4748	-4.5428	10.0176	0.4660

Additional Calculated Values

Bottom Pole #1 Z Value	980.212
Top Jaw Pitch (mrad)	-0.002
Bottom Jaw Pitch(mrad)	-0.004
Minimum Effective Gap	9.950
Reference Block Gap	6.803

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

27-APR-2021
 S/N = 021
 D/S = 0002
 Run = 3