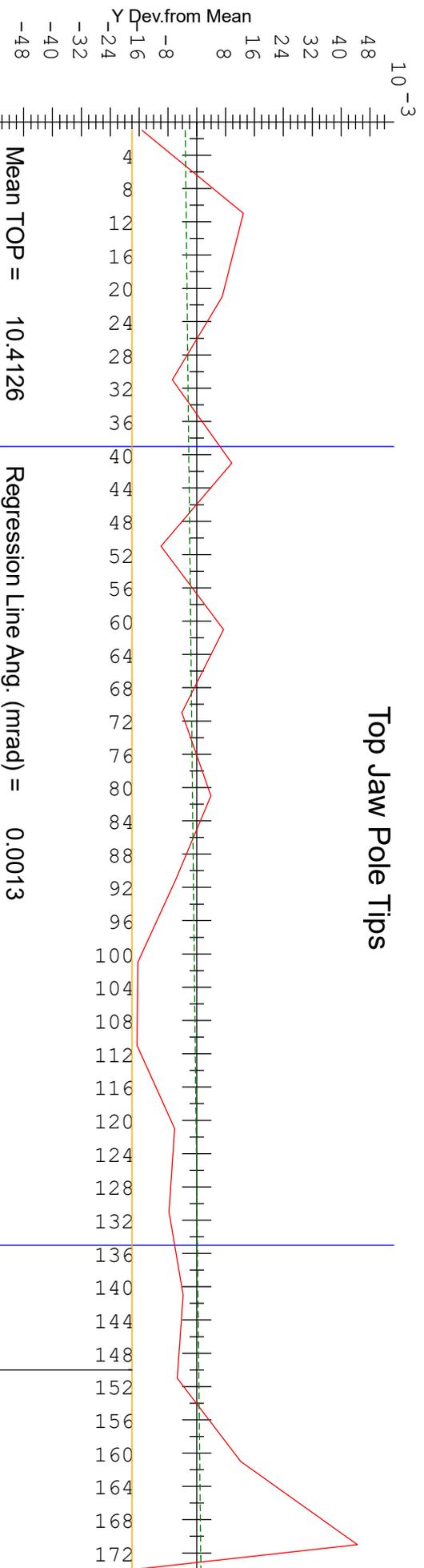


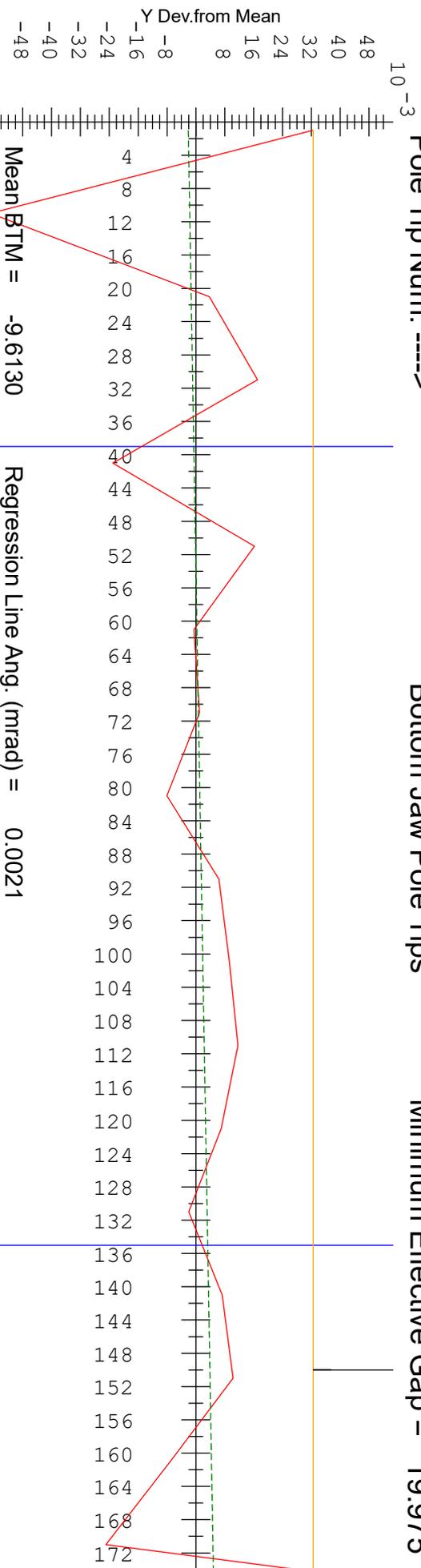
Top Jaw Pole Tips



Pole Tip Num. ---->

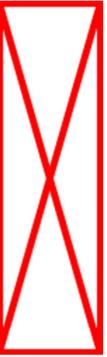
Bottom Jaw Pole Tips

Minimum Effective Gap = 19.975



Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 10

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



METROLOGY

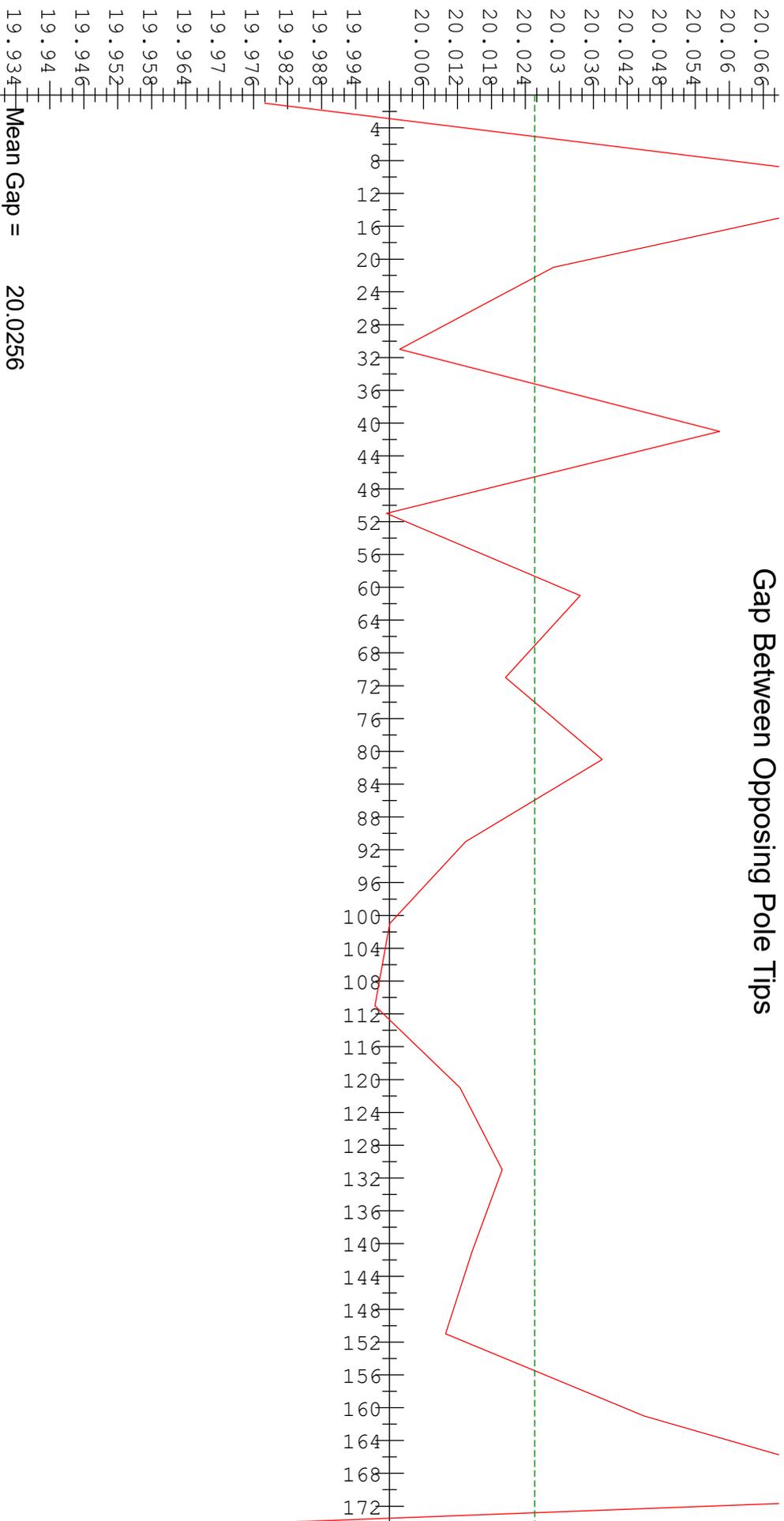
LCLS II - SXR Undulator

Nominal Gap = 20
Gap Reading = 20.0000
US Encoder = 20.0000

Nominal Taper = 0.000
DS Encoder = 20.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 24

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 10

Dimensions in mm



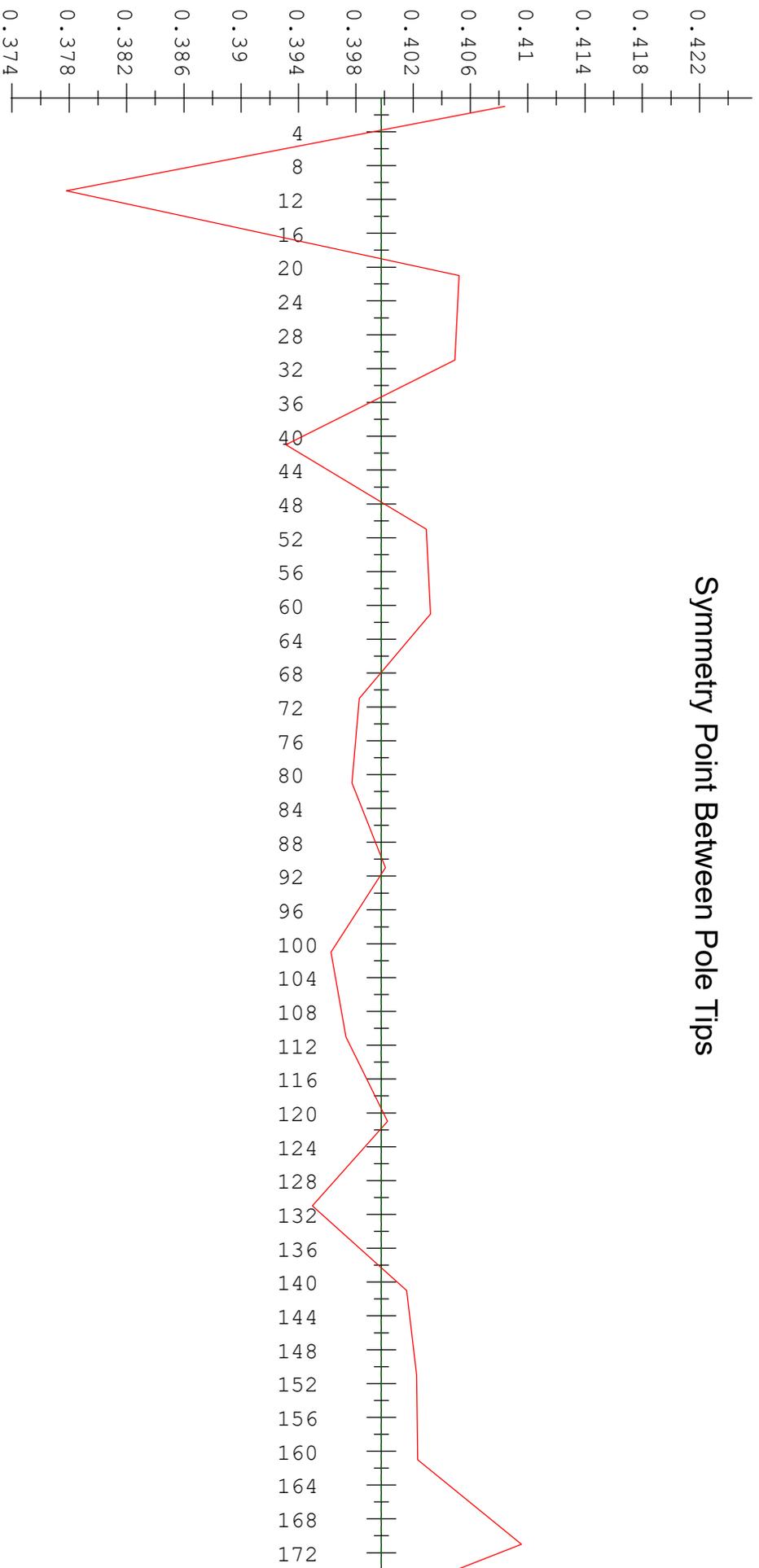
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 20 Nominal Taper = 0.000
 Gap Reading = 20.0000 US Encoder = 20.0000 DS Encoder = 20.0000

11-AUG-2021
 S/N = 021
 D/S = 0002
 Run = 24

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3998

Step Between Measured Pole Tips = 10

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 20 US Encoder = 20.0000
Gap Reading = 20.0000 DS Encoder = 20.0000
Nominal Taper = 0.000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 24

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	10.4094	10.4104	10.4128	10.4137
Bottom	-9.6151	-9.6136	-9.6098	-9.6082
Gap	20.0245			20.0219
Taper				-0.0026

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
10.4126	-9.6130	20.0256	0.3998

Additional Calculated Values

Bottom Pole #1 Z Value	980.195
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	19.975
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 20 US Encoder = 20.0000 Nominal Taper = 0.000
 Gap Reading = 20.0000 DS Encoder = 20.0000

11-AUG-2021
 S/N = 021
 D/S = 0002
 Run = 24