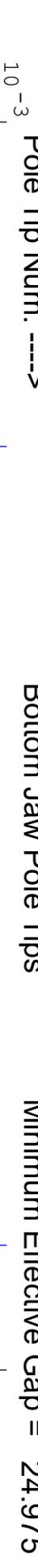
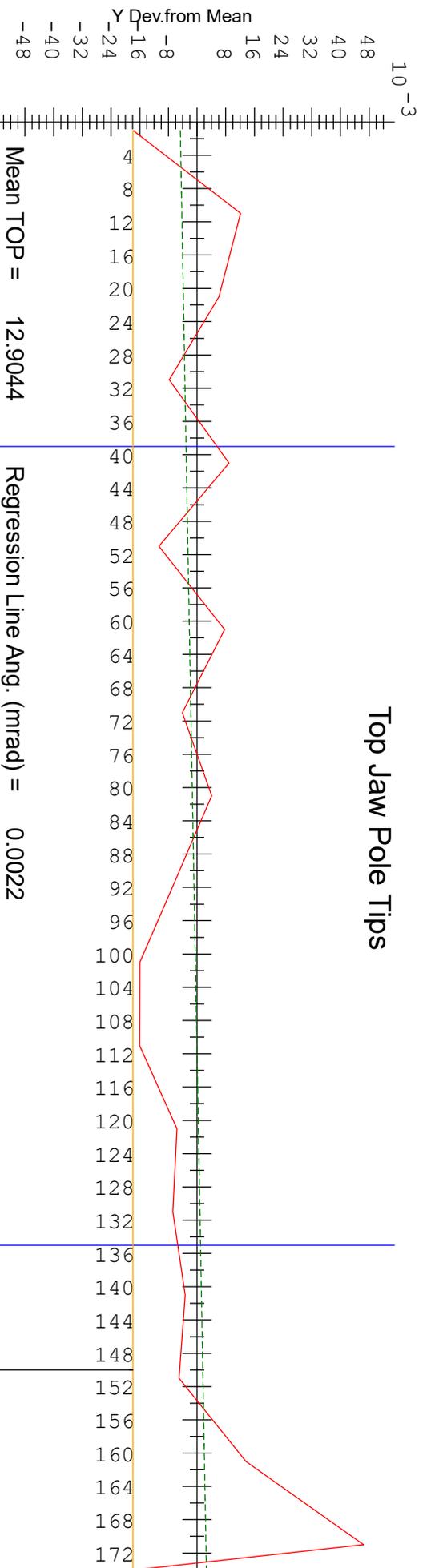


Top Jaw Pole Tips



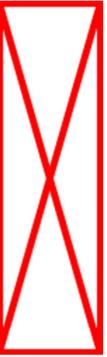
Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 10

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

LCLS II - SXR Undulator

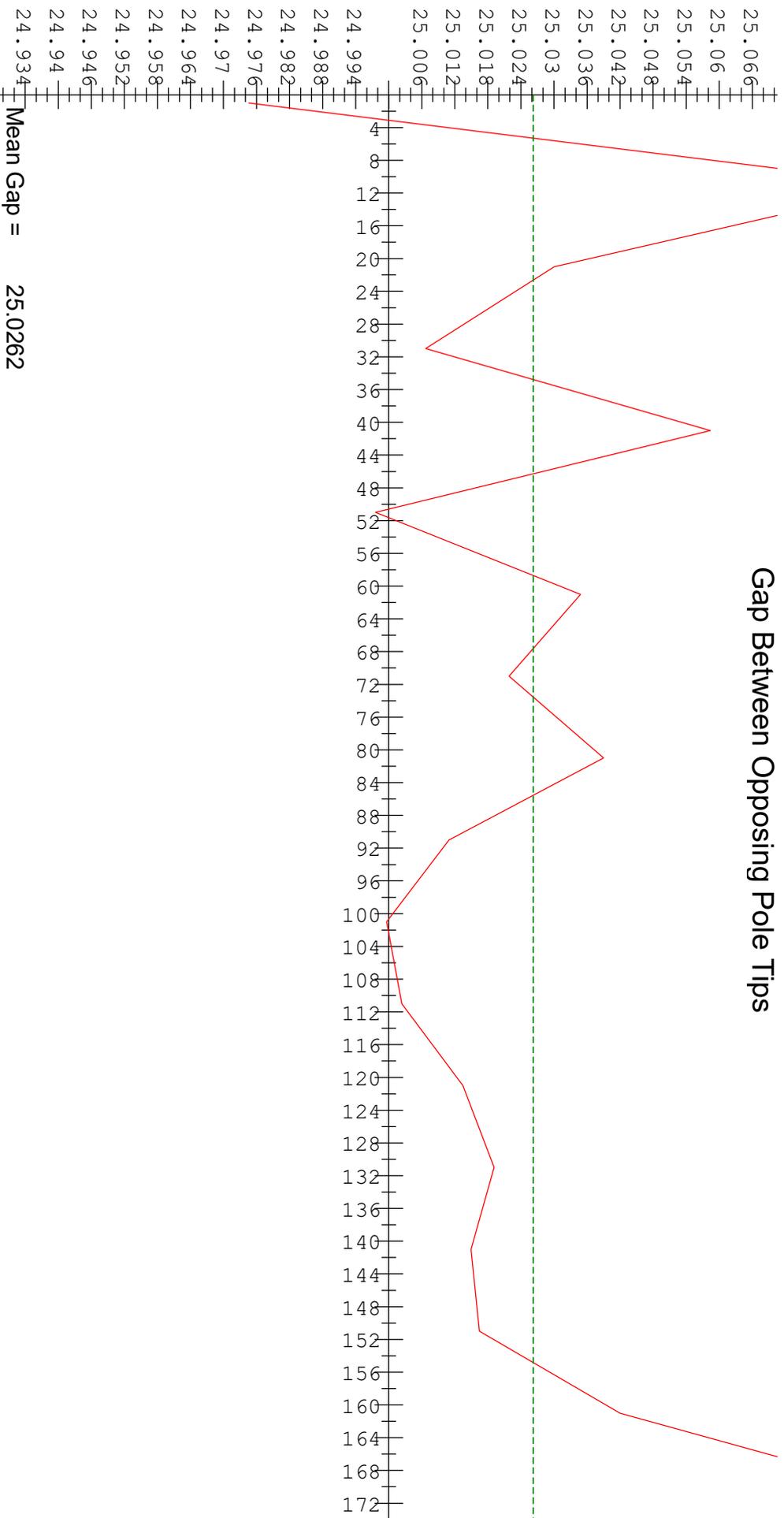
Nominal Gap = 25
Nominal Taper = 0.000
Gap Reading = 25.0000
US Encoder = 25.0001
DS Encoder = 25.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 25



METROLOGY

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 10

Dimensions in mm



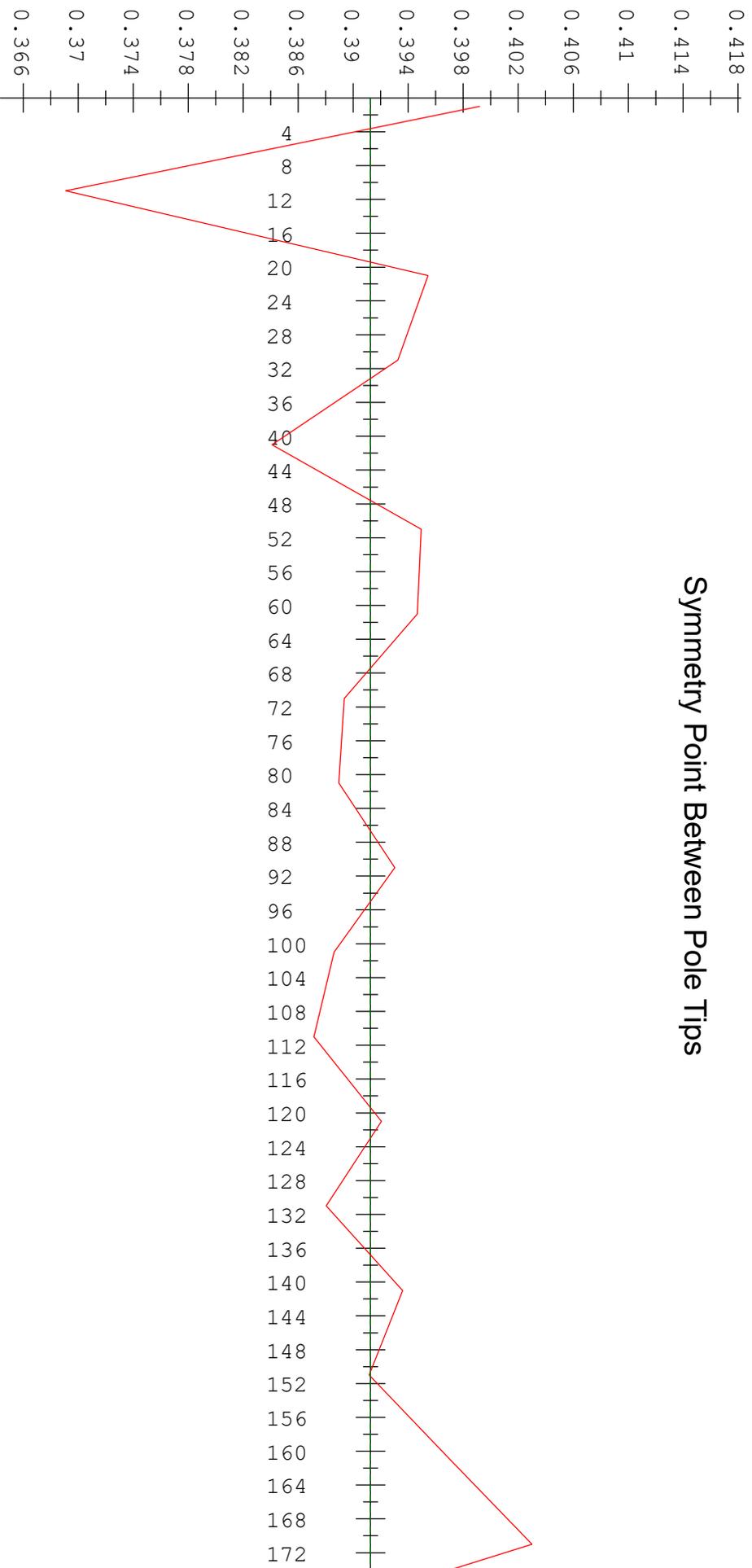
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 25 Nominal Taper = 0.000
 Gap Reading = 25.0000 US Encoder = 25.0001 DS Encoder = 25.0000

11-AUG-2021
 S/N = 021
 D/S = 0002
 Run = 25

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3913

Step Between Measured Pole Tips = 10

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 25
Nominal Taper = 0.000
Gap Reading = 25.0000
US Encoder = 25.0001
DS Encoder = 25.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 25

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	12.8997	12.9013	12.9054	12.9070
Bottom	-12.1248	-12.1229	-12.1182	-12.1163
Gap	25.0245			25.0232
Taper				-0.0012

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
12.9044	-12.1219	25.0262	0.3913

Additional Calculated Values

Bottom Pole #1 Z Value	980.195
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.003
Minimum Effective Gap	24.975
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 25 US Encoder = 25.0001 Nominal Taper = 0.000
 Gap Reading = 25.0000 DS Encoder = 25.0000

11-AUG-2021
 S/N = 021
 D/S = 0002
 Run = 25