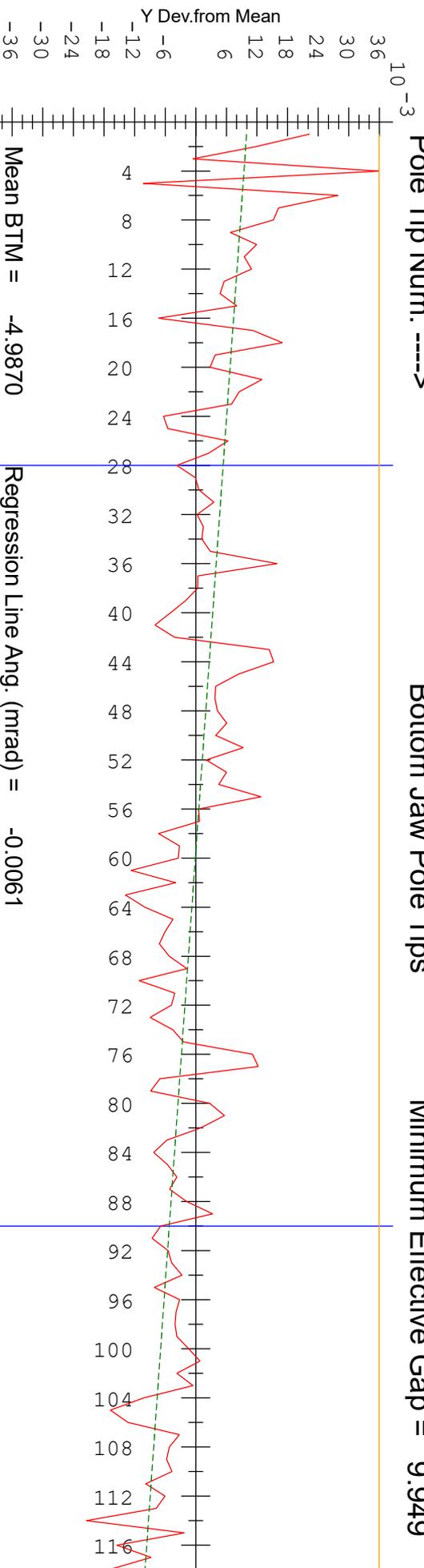
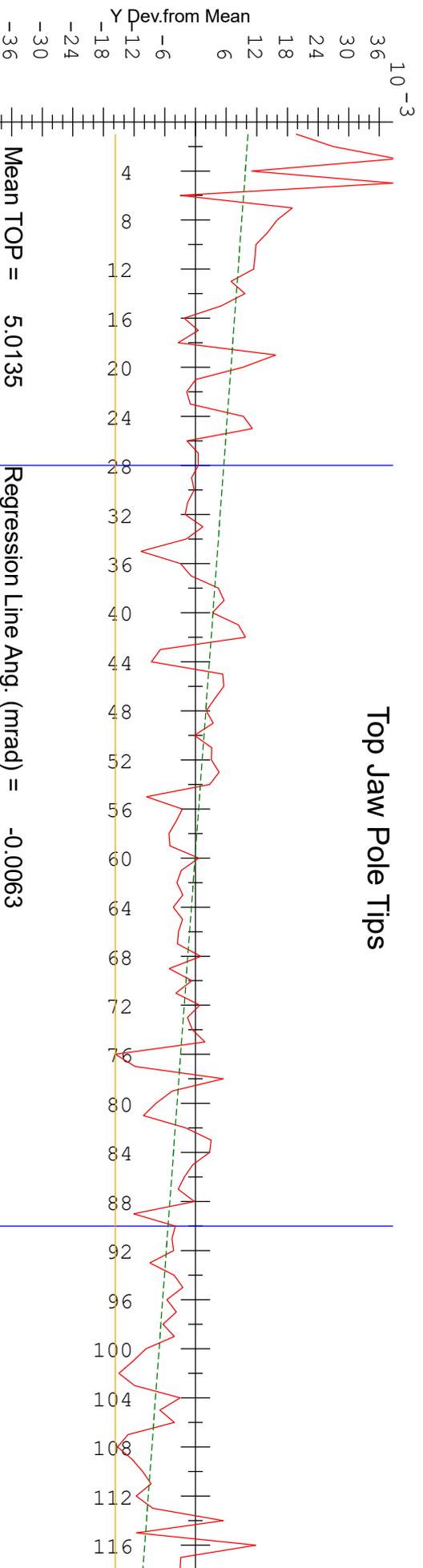


Top Jaw Pole Tips



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

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



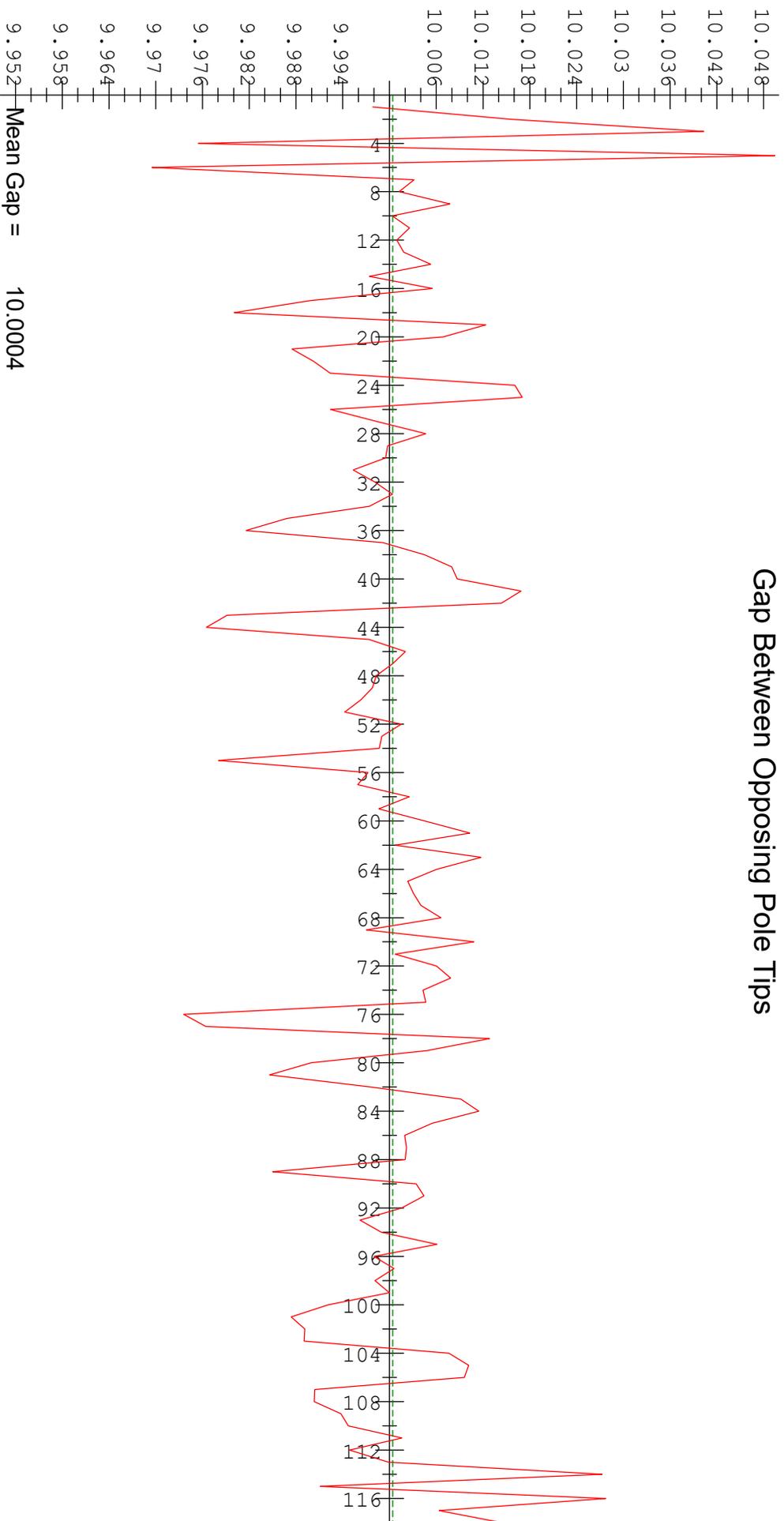
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0001 US Encoder = 10.0000 DS Encoder = 10.0001

17-JUL-2024
S/N = 023
D/S = 0001
Run = 35

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



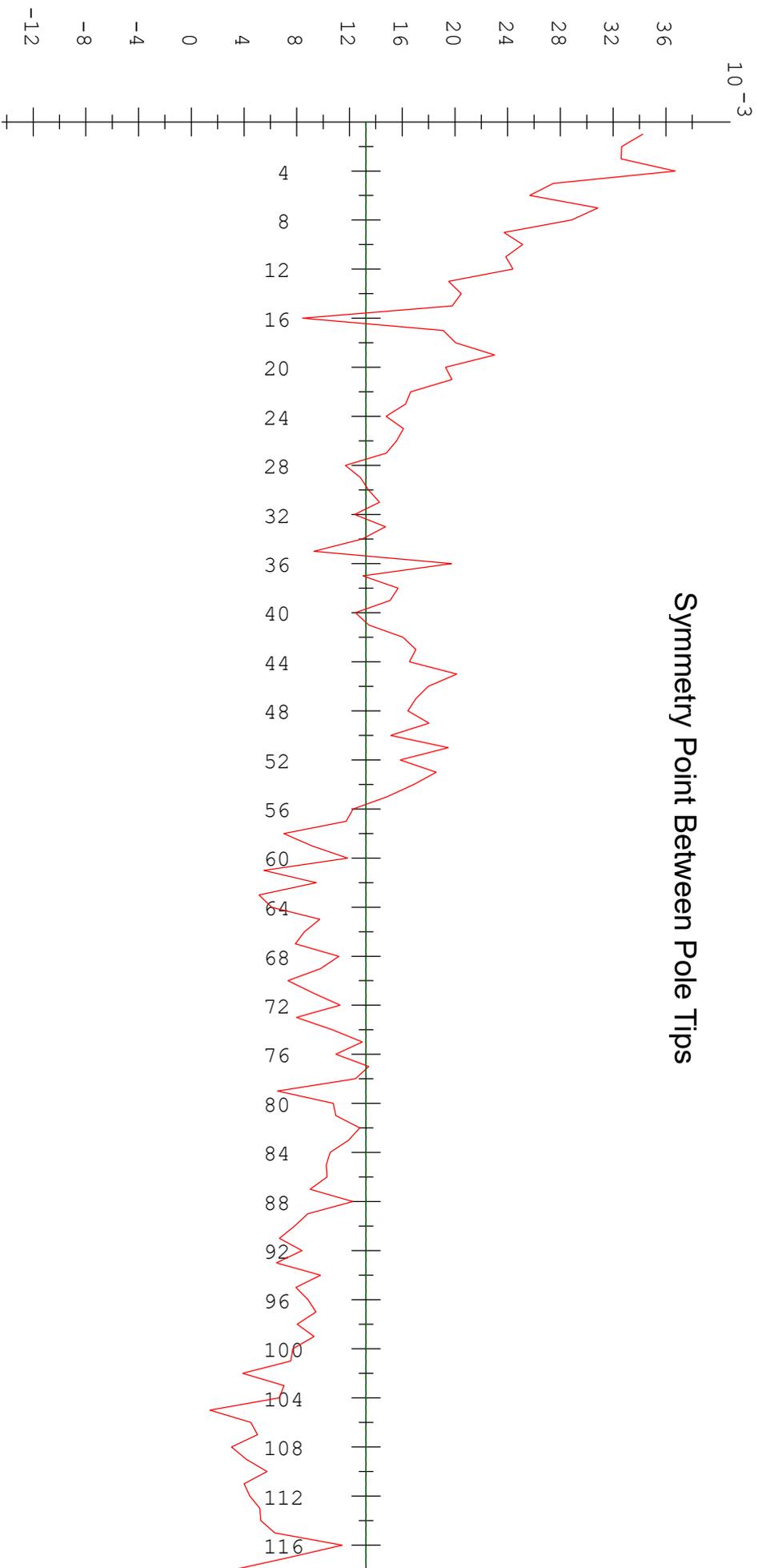
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0001 US Encoder = 10.0000 DS Encoder = 10.0001

17-JUL-2024
S/N = 023
D/S = 0001
Run = 35

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0133

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0001 US Encoder = 10.0000 DS Encoder = 10.0001

17-JUL-2024
S/N = 023
D/S = 0001
Run = 35

Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole <i>(Pole -1)</i>	US Actuator <i>(Pole 28)</i>	DS Actuator <i>(Pole 90)</i>	Last Pole <i>(Pole 118)</i>
Top	5.0238	5.0190	5.0081	5.0032
Bottom	-4.9770	-4.9816	-4.9922	-4.9969
Gap	10.0007			10.0001
Taper				-0.0007

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0135	-4.9870	10.0004	0.0133

Additional Calculated Values

Bottom Pole #1 Z Value	979.450
Top Jaw Pitch (mrad)	-0.006
Bottom Jaw Pitch(mrad)	-0.006
Minimum Effective Gap	9.949
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0001 US Encoder = 10.0000 DS Encoder = 10.0001

17-JUL-2024
 S/N = 023
 D/S = 0001
 Run = 35