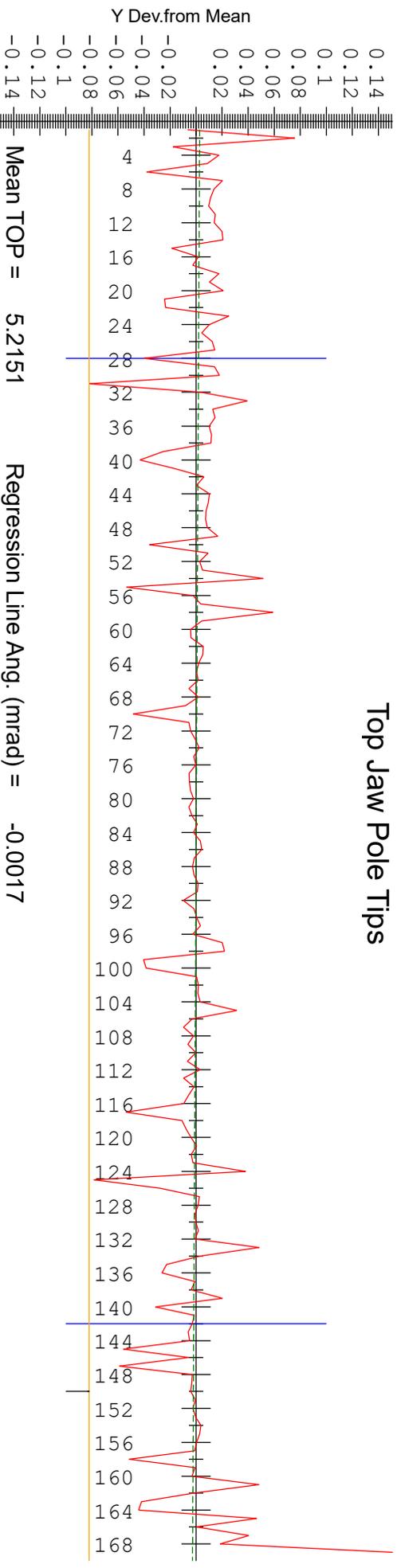


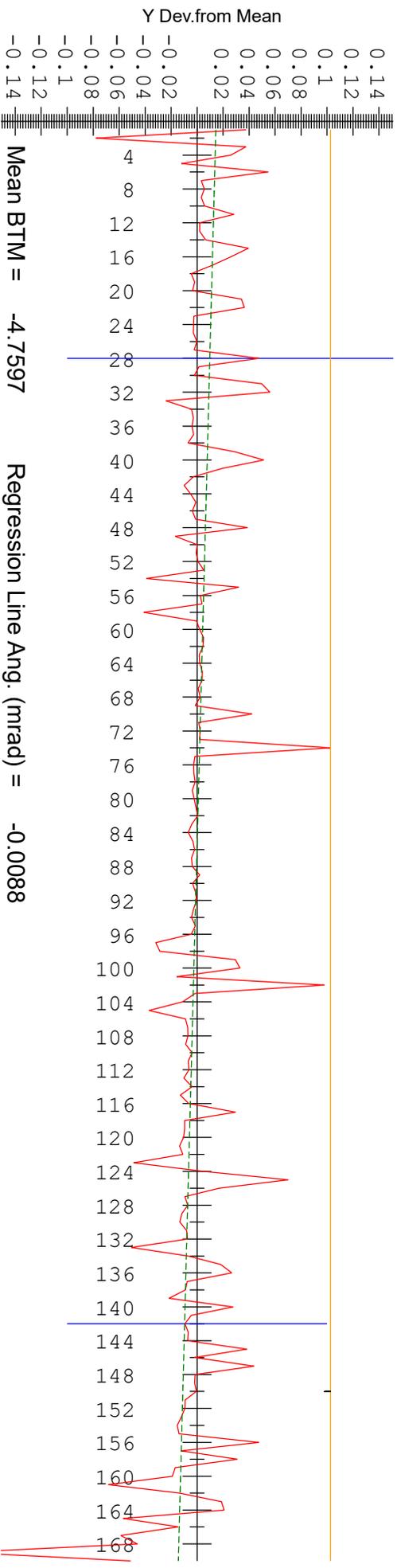
Top Jaw Pole Tips



Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.790



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

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



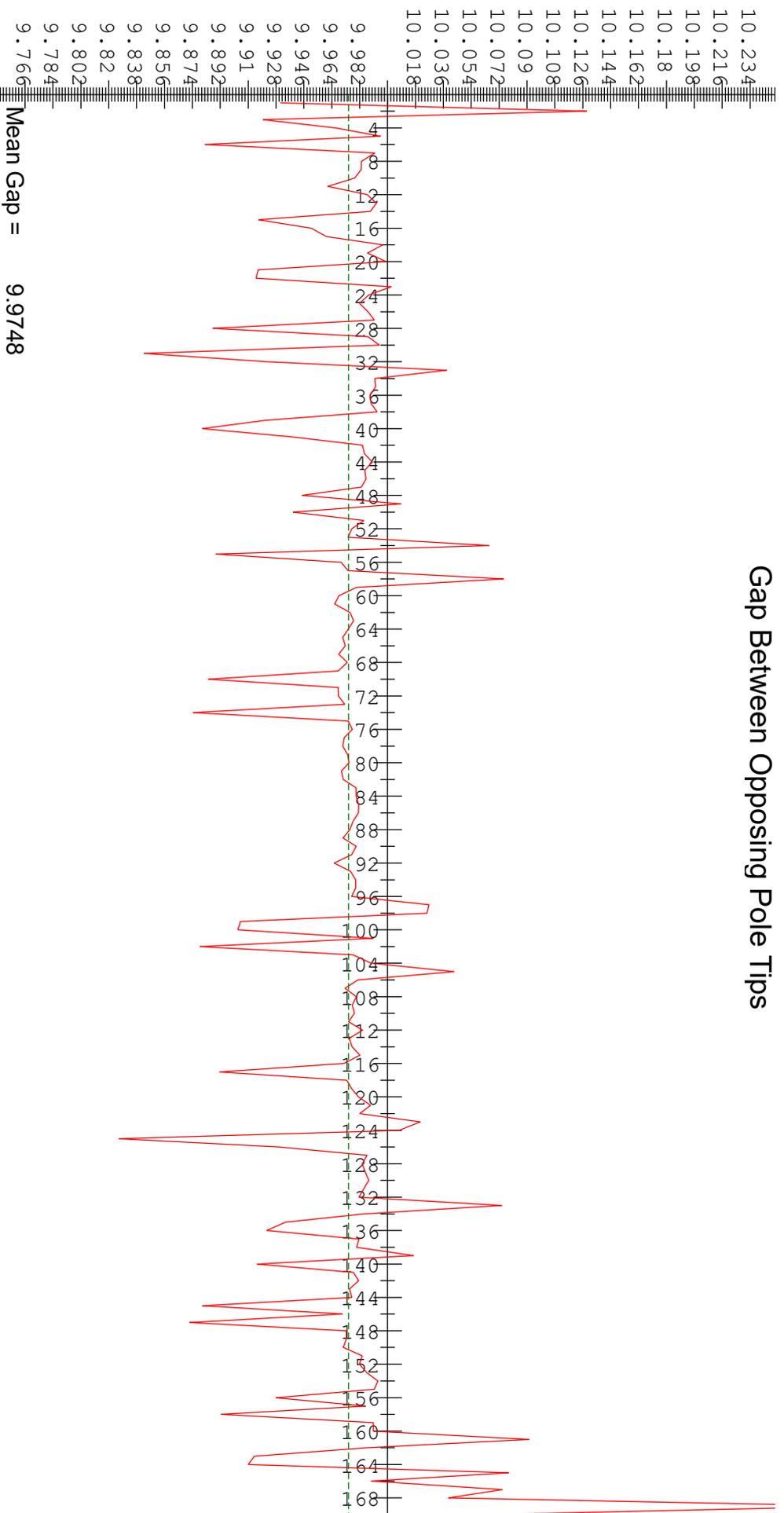
METROLOGY

LCLS II-HE - SXR Undulator

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

17-APR-2025
S/N = 006
D/S = 0002
Run = 1

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

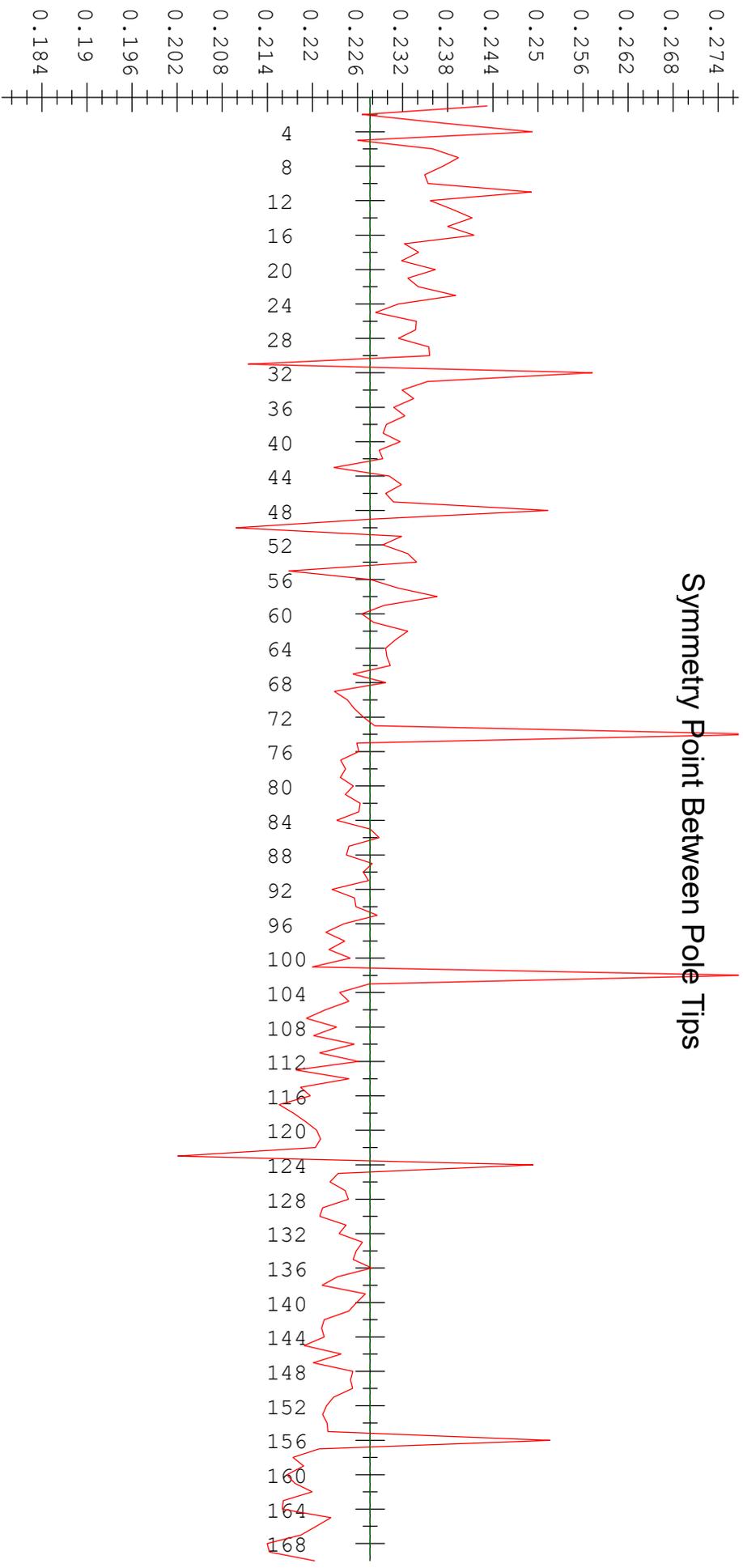


METROLOGY

LCLS II-HE - SXR Undulator

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

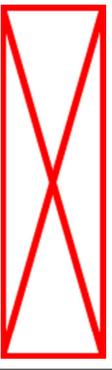
17-APR-2025
 S/N = 006
 D/S = 0002
 Run = 1



Mean Symmetry Value = 0.2277

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Nominal Taper = 0.000

Gap Reading = 10.0000

US Encoder = 10.0000

DS Encoder = 10.0000

17-APR-2025

S/N = 006

D/S = 0002

Run = 1

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	5.2178	5.2170	5.2133	5.2123
Bottom	-4.7453	-4.7499	-4.7694	-4.7742
Gap	9.9632			9.9865
Taper				0.0233

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2151	-4.7597	9.9748	0.2277

Additional Calculated Values

Bottom Pole #1 Z Value	983.086
Top Jaw Pitch (mrad)	-0.002
Bottom Jaw Pitch(mrad)	-0.009
Minimum Effective Gap	9.790
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

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

17-APR-2025
 S/N = 006
 D/S = 0002
 Run = 1