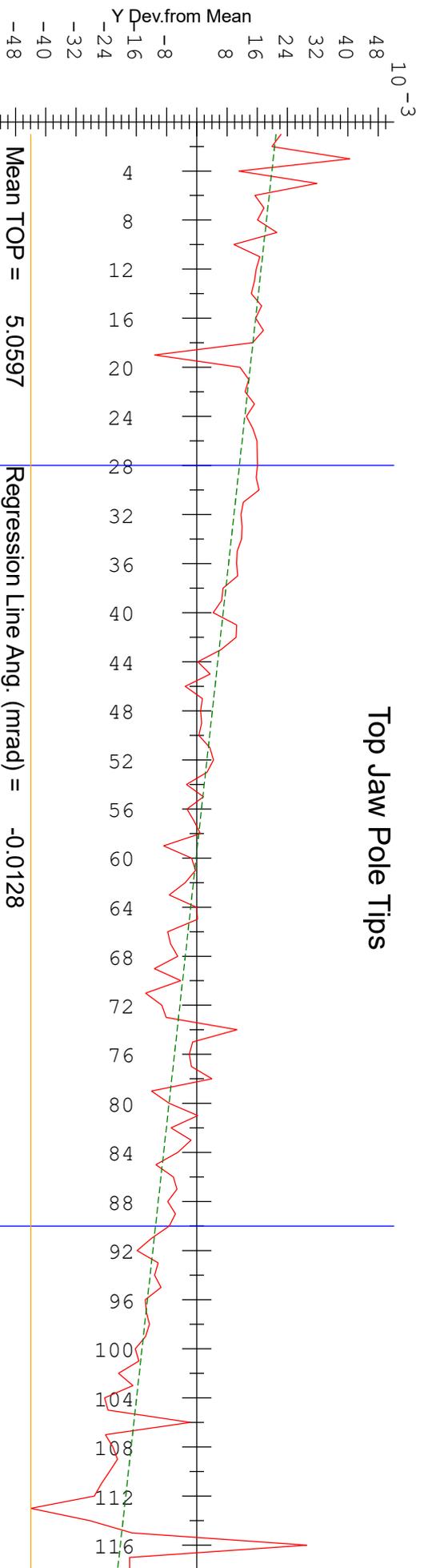
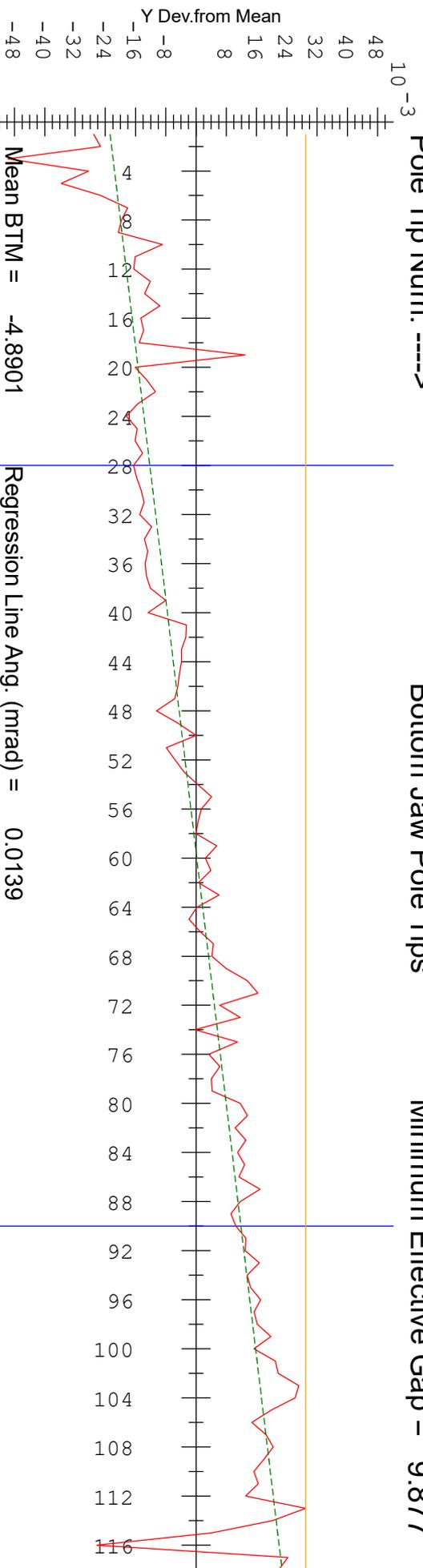


Top Jaw Pole Tips



Pole Tip Num. ---->



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

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Gap Reading = 9.9499

US Encoder = 10.0000

DS Encoder = 9.9000

Nominal Taper = -0.100

10-SEP-2024

S/N = 025

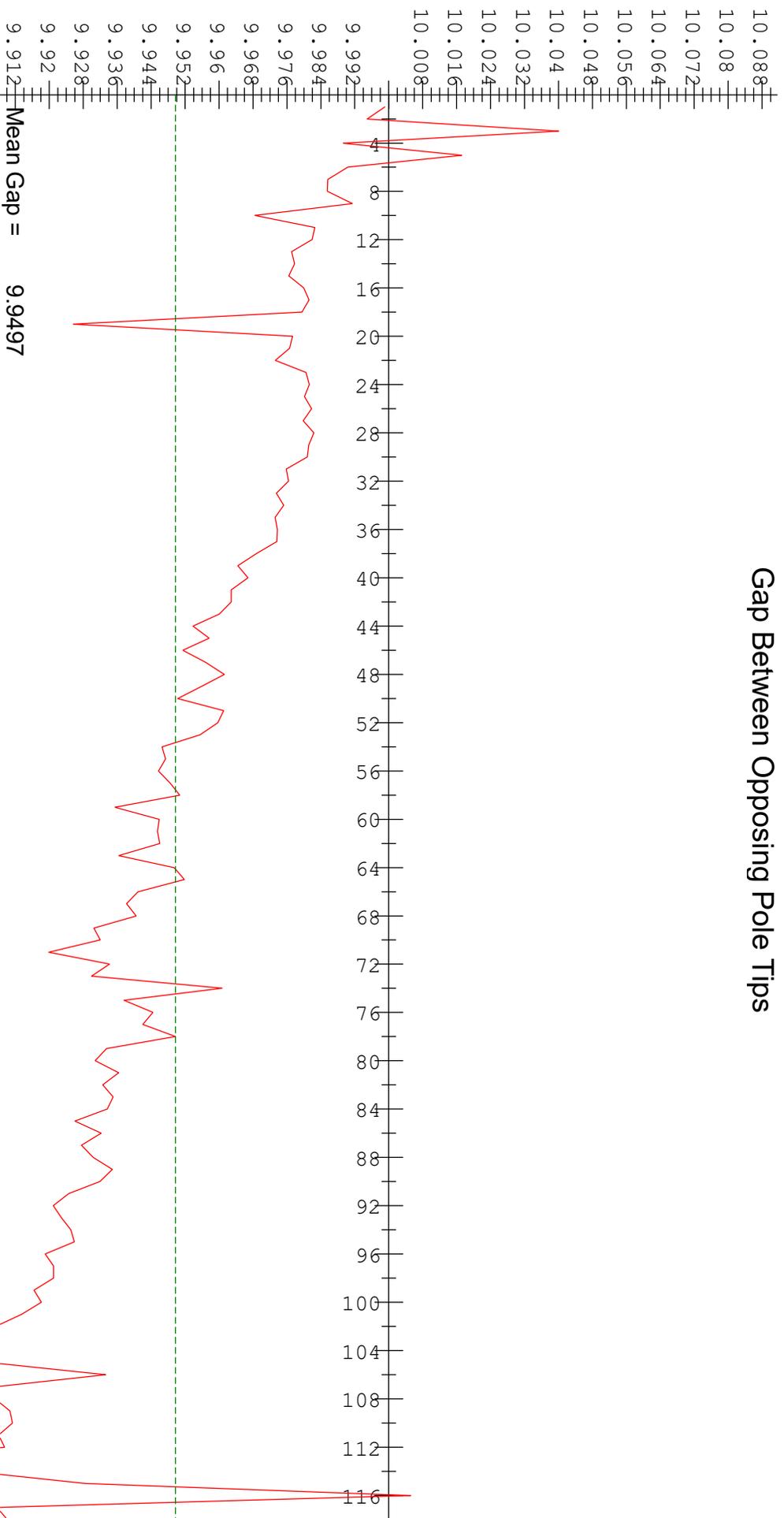
D/S = 0001

Run = 14



METROLOGY

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



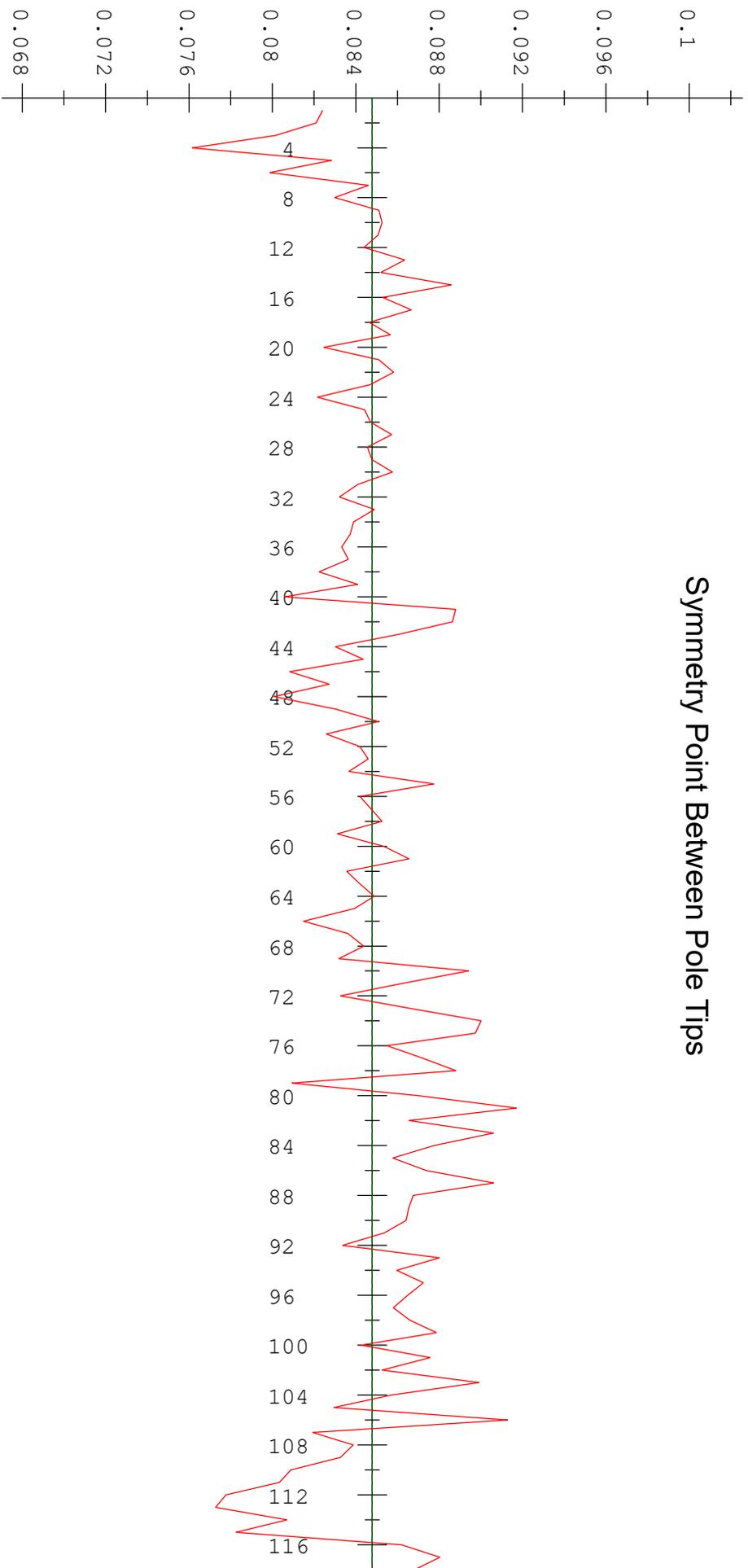
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9499 US Encoder = 10.0000 DS Encoder = 9.9000

10-SEP-2024
S/N = 025
D/S = 0001
Run = 14

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0848

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9499 US Encoder = 10.0000 DS Encoder = 9.9000

10-SEP-2024
S/N = 025
D/S = 0001
Run = 14

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	5.0806	5.0709	5.0487	5.0387
Bottom	-4.9128	-4.9023	-4.8782	-4.8674
Gap	9.9934			9.9060
Taper				-0.0874

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0597	-4.8901	9.9497	0.0848

Additional Calculated Values

Bottom Pole #1 Z Value	979.437
Top Jaw Pitch (mrad)	-0.013
Bottom Jaw Pitch(mrad)	0.014
Minimum Effective Gap	9.877
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
 Gap Reading = 9.9499 US Encoder = 10.0000 DS Encoder = 9.9000

10-SEP-2024
 S/N = 025
 D/S = 0001
 Run = 14