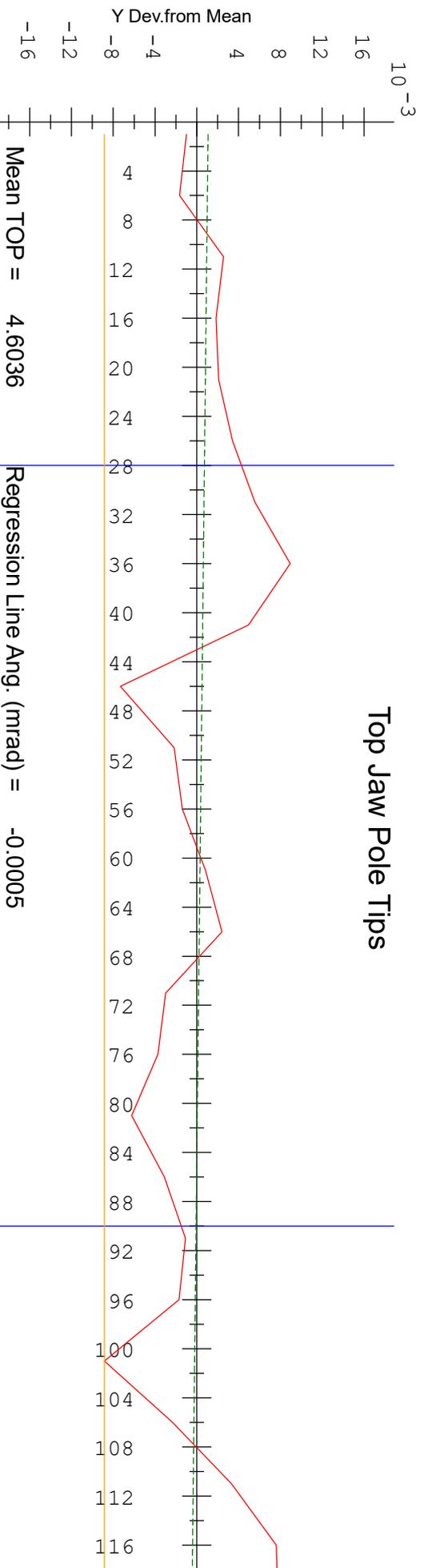


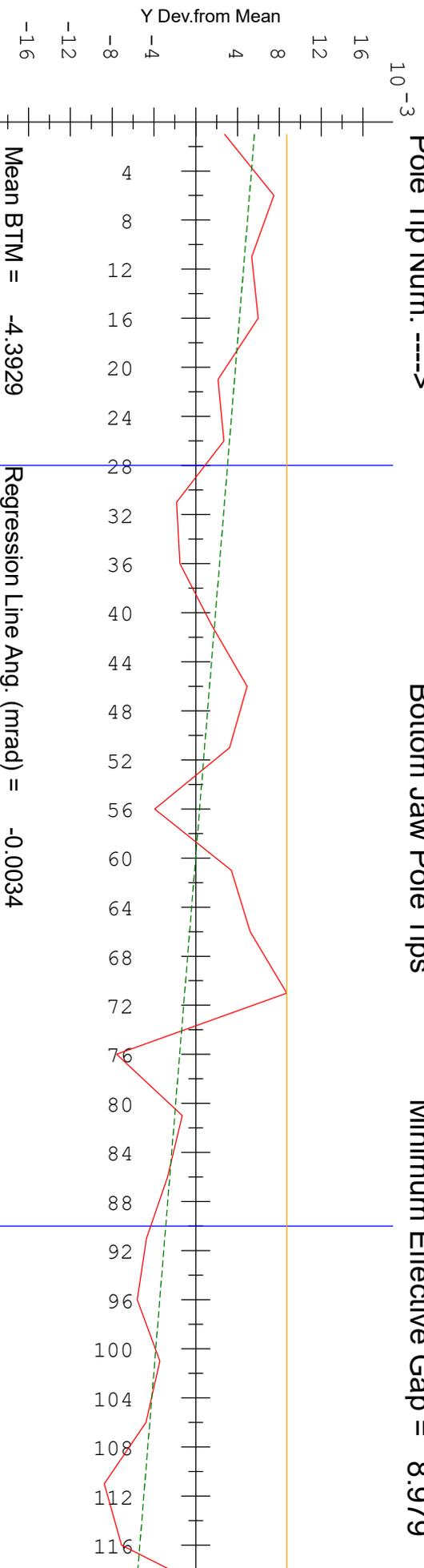
Top Jaw Pole Tips



Pole Tip Num. ---->

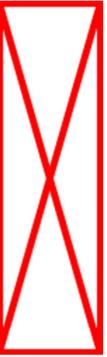
Bottom Jaw Pole Tips

Minimum Effective Gap = 8.979



Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 5

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



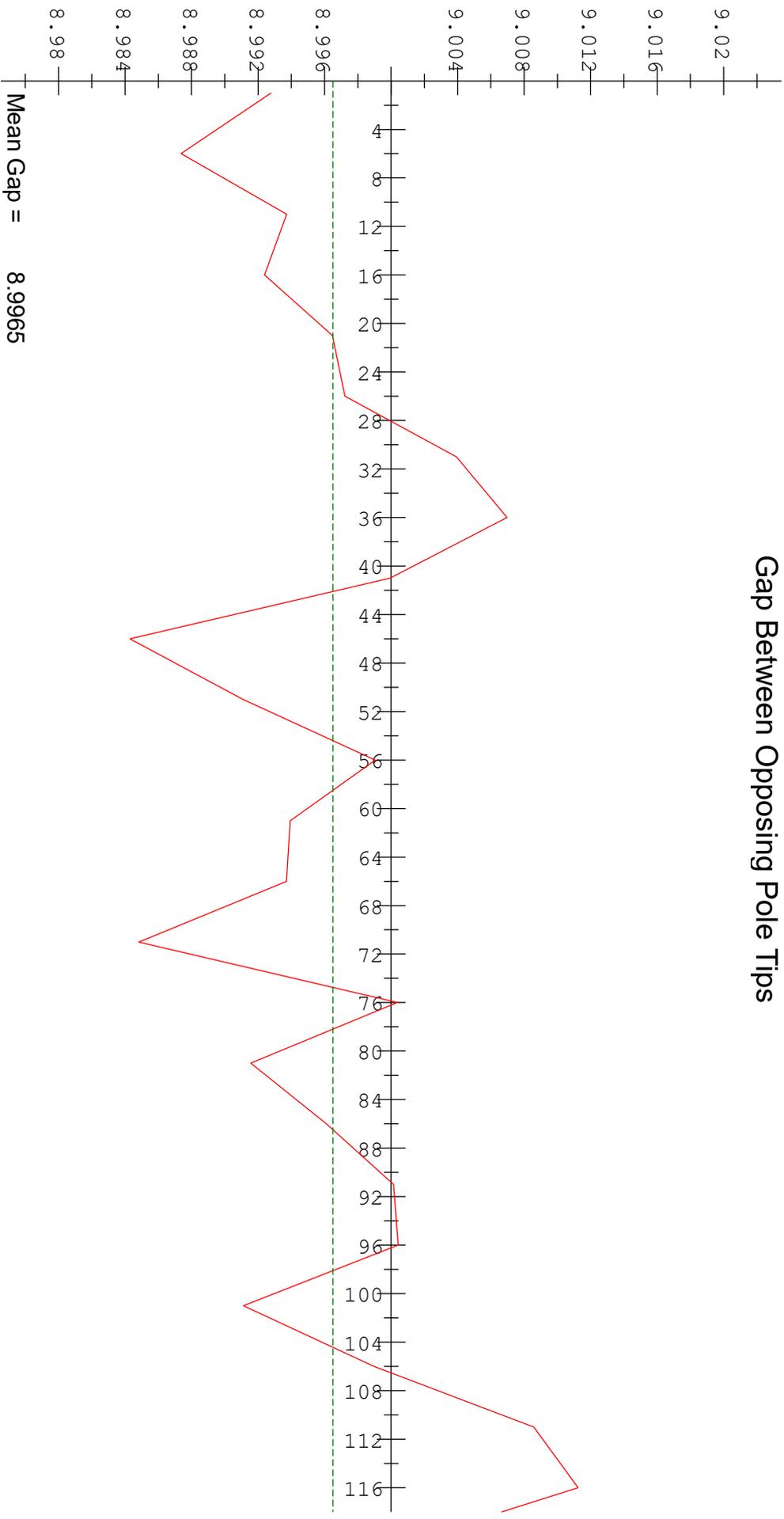
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9
Nominal Taper = 0.000
Gap Reading = 9.0001
US Encoder = 9.0001
DS Encoder = 9.0001

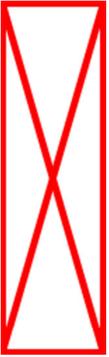
15-OCT-2024
S/N = 027
D/S = 0001
Run = 5

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9

Gap Reading = 9.0001

US Encoder = 9.0001

Nominal Taper = 0.000

DS Encoder = 9.0001

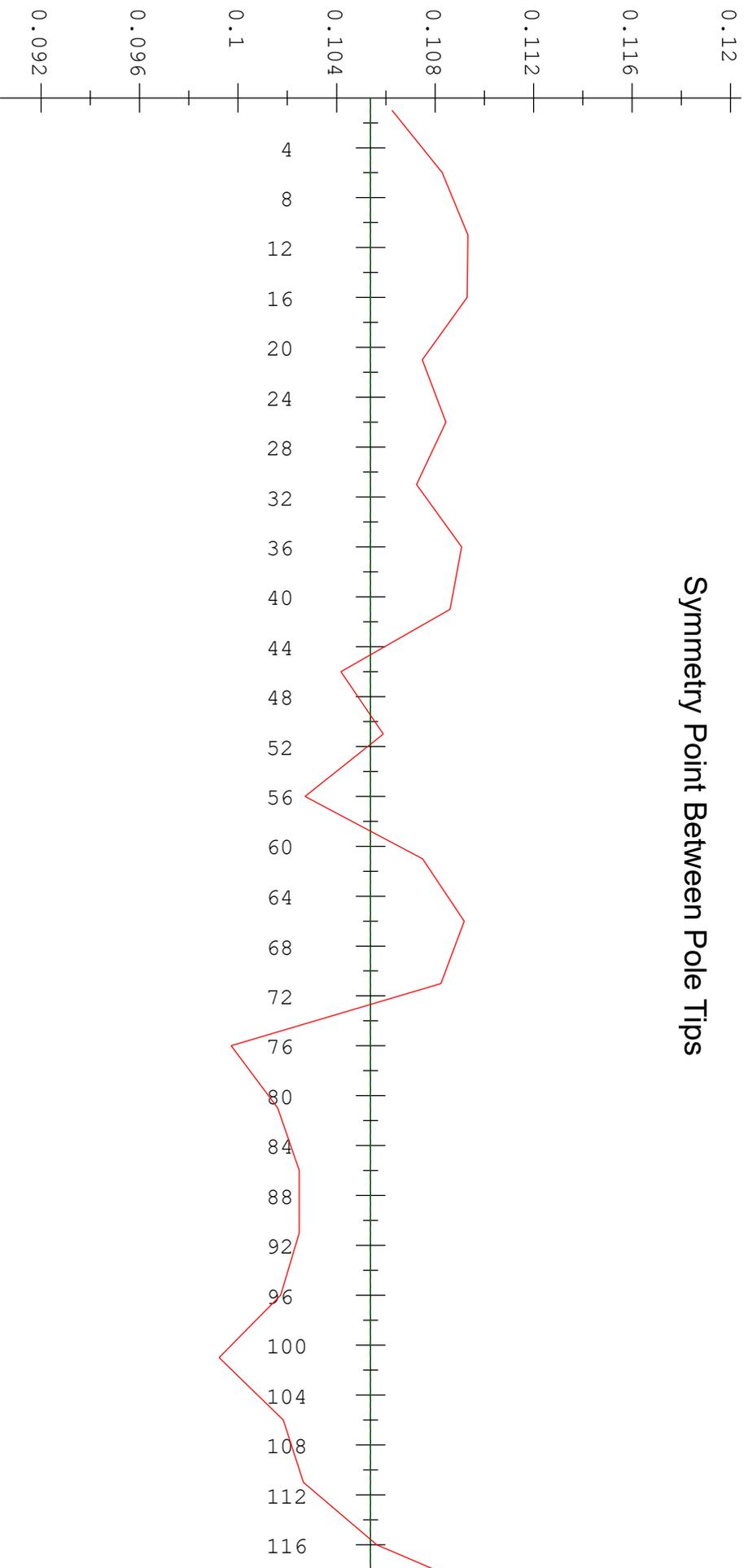
15-OCT-2024

S/N = 027

D/S = 0001

Run = 5

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1054

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
Gap Reading = 9.0001 US Encoder = 9.0001 DS Encoder = 9.0001

15-OCT-2024
S/N = 027
D/S = 0001
Run = 5

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	4.6047	4.6044	4.6036	4.6032
Bottom	-4.3873	-4.3898	-4.3958	-4.3984
Gap	8.9920			9.0016
Taper				0.0096

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.6036	-4.3929	8.9965	0.1054

Additional Calculated Values

Bottom Pole #1 Z Value	978.897
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	-0.003
Minimum Effective Gap	8.979
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
 Gap Reading = 9.0001 US Encoder = 9.0001 DS Encoder = 9.0001

15-OCT-2024
 S/N = 027
 D/S = 0001
 Run = 5