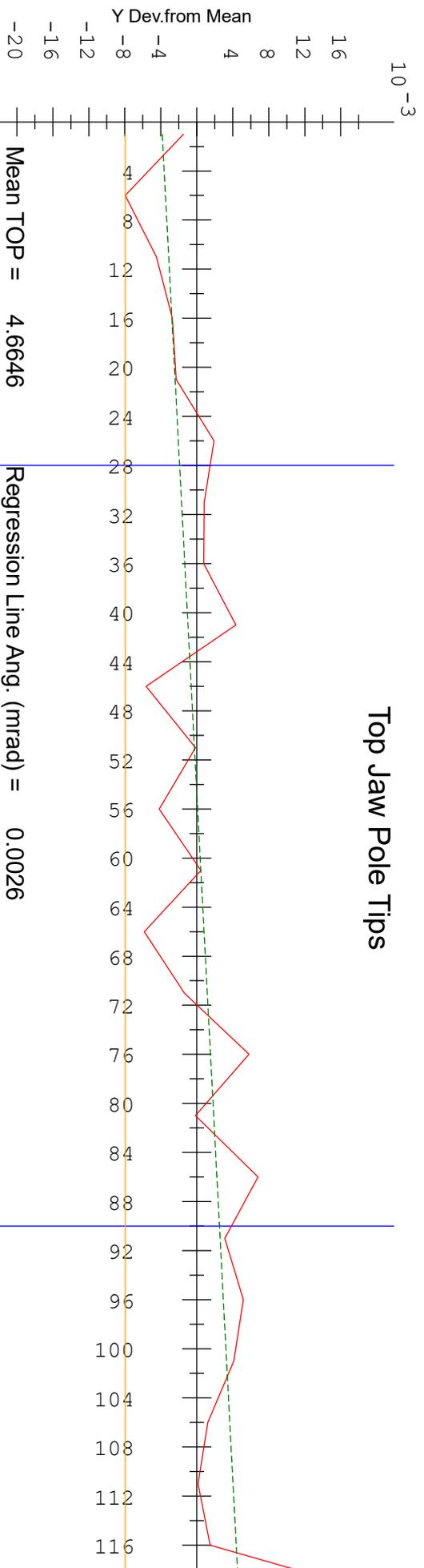


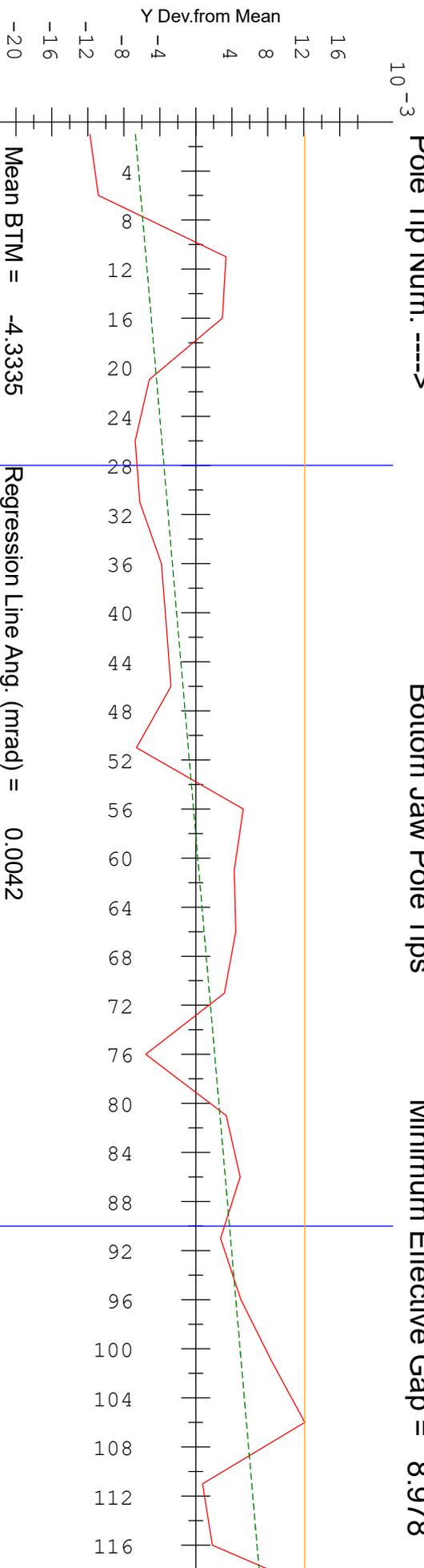
Top Jaw Pole Tips



Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 8.978



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

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



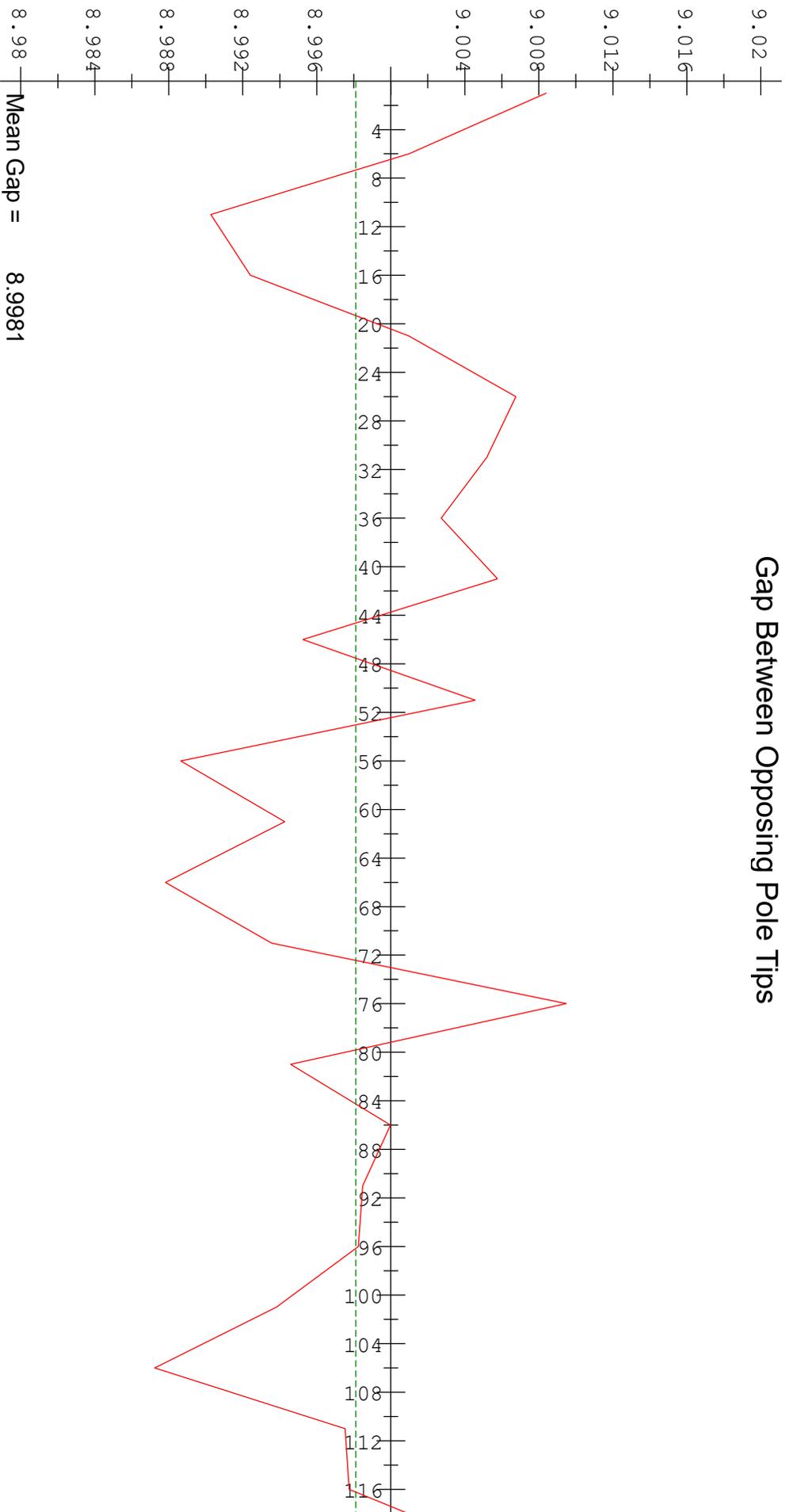
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9
Nominal Taper = 0.000
Gap Reading = 9.0000
US Encoder = 9.0000
DS Encoder = 9.0001

14-AUG-2024
S/N = 025
D/S = 0001
Run = 4

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 = 9.0000

US Encoder = 9.0000

DS Encoder = 9.0001

Nominal Taper = 0.000

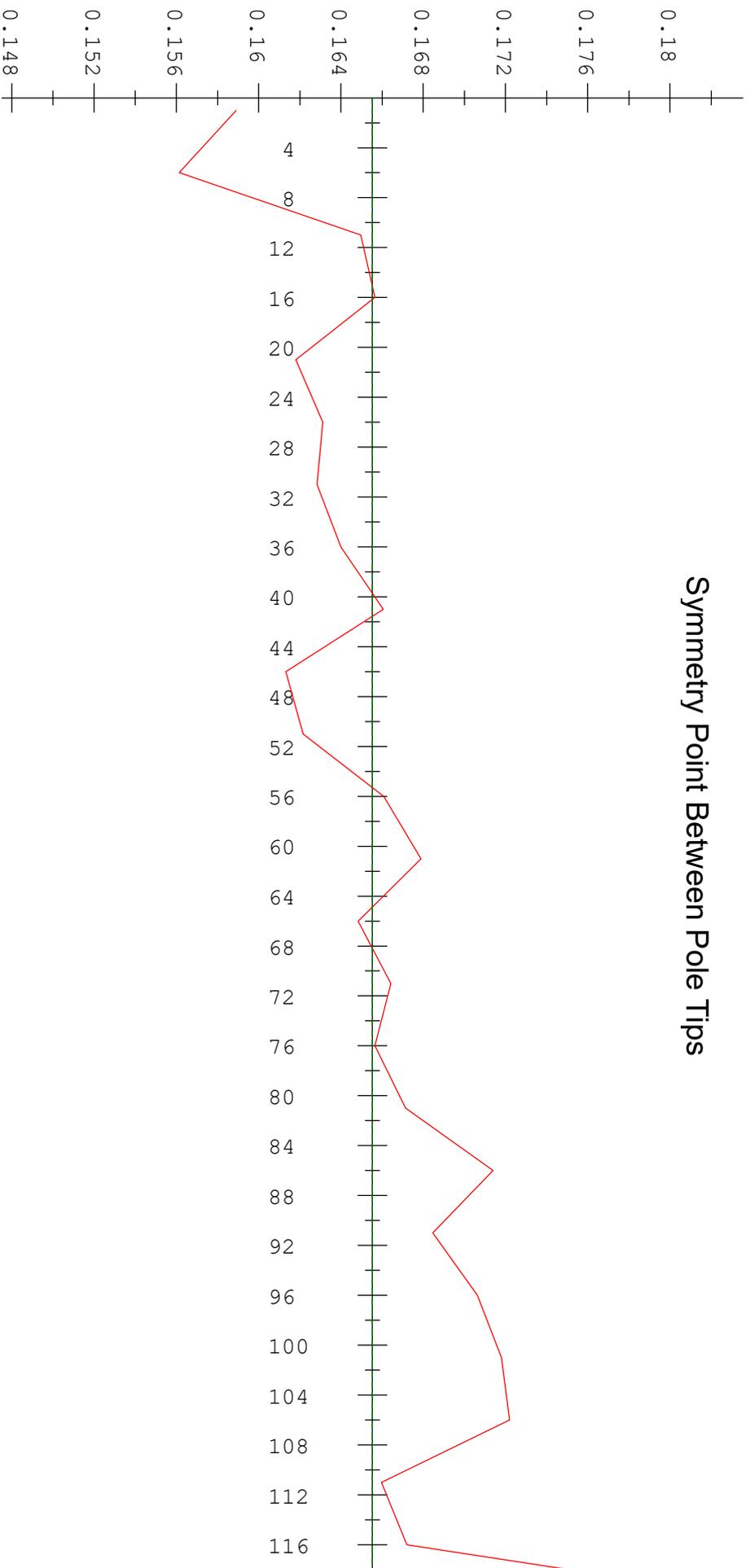
14-AUG-2024

S/N = 025

D/S = 0001

Run = 4

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1655

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0001

14-AUG-2024
S/N = 025
D/S = 0001
Run = 4

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	4.6607	4.6627	4.6671	4.6691
Bottom	-4.3402	-4.3371	-4.3298	-4.3265
Gap	9.0010			8.9956
Taper				-0.0054

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.6646	-4.3335	8.9981	0.1655

Additional Calculated Values

Bottom Pole #1 Z Value	979.432
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	0.004
Minimum Effective Gap	8.978
Reference Block Gap	6.795

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
 Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0001

14-AUG-2024
 S/N = 025
 D/S = 0001
 Run = 4