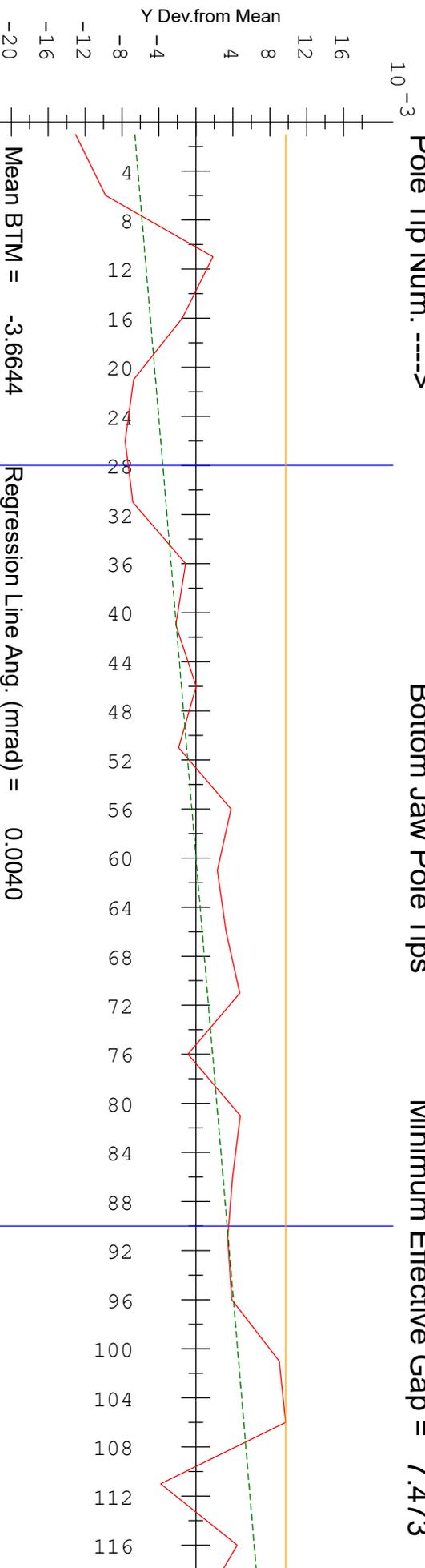
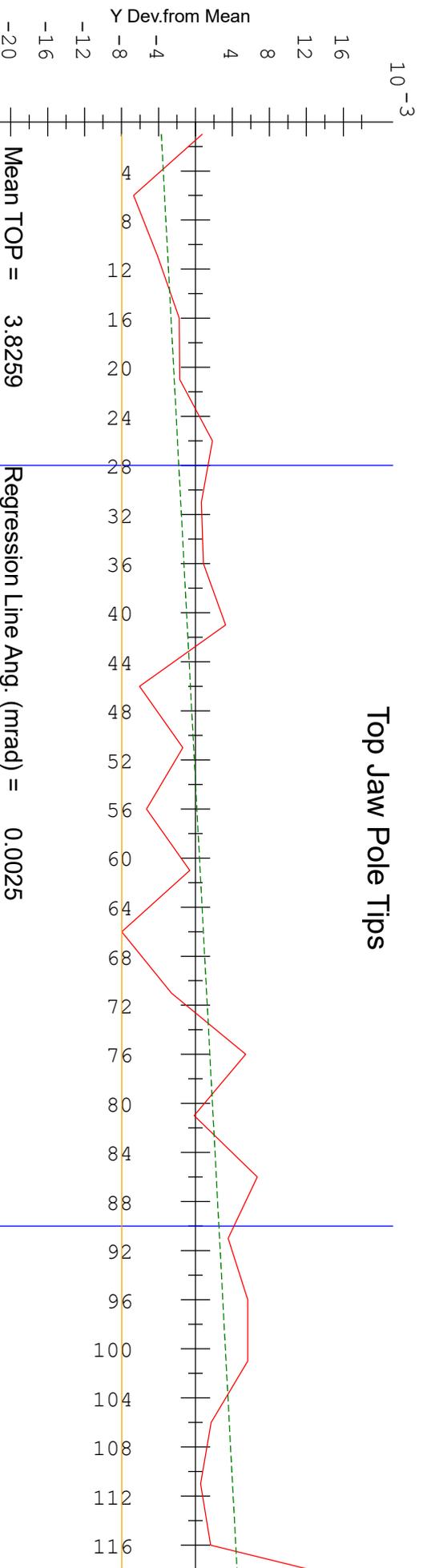


Top Jaw Pole Tips



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

LCLS II-HE - SXR Undulator

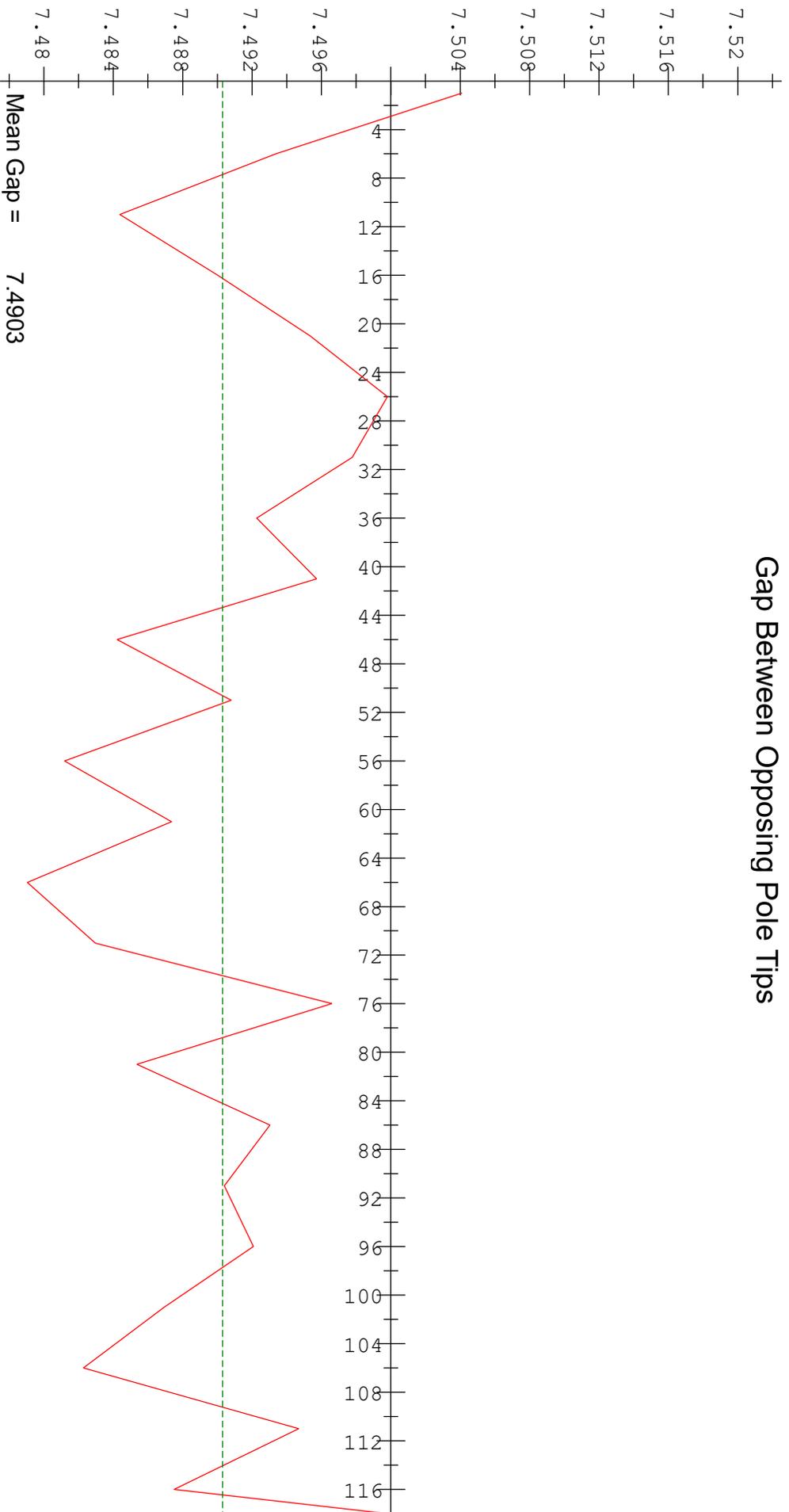
Nominal Gap = 7.5 Nominal Taper = 0.000
Gap Reading = 7.4999 US Encoder = 7.4999 DS Encoder = 7.4999

14-AUG-2024
S/N = 025
D/S = 0001
Run = 3



METROLOGY

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

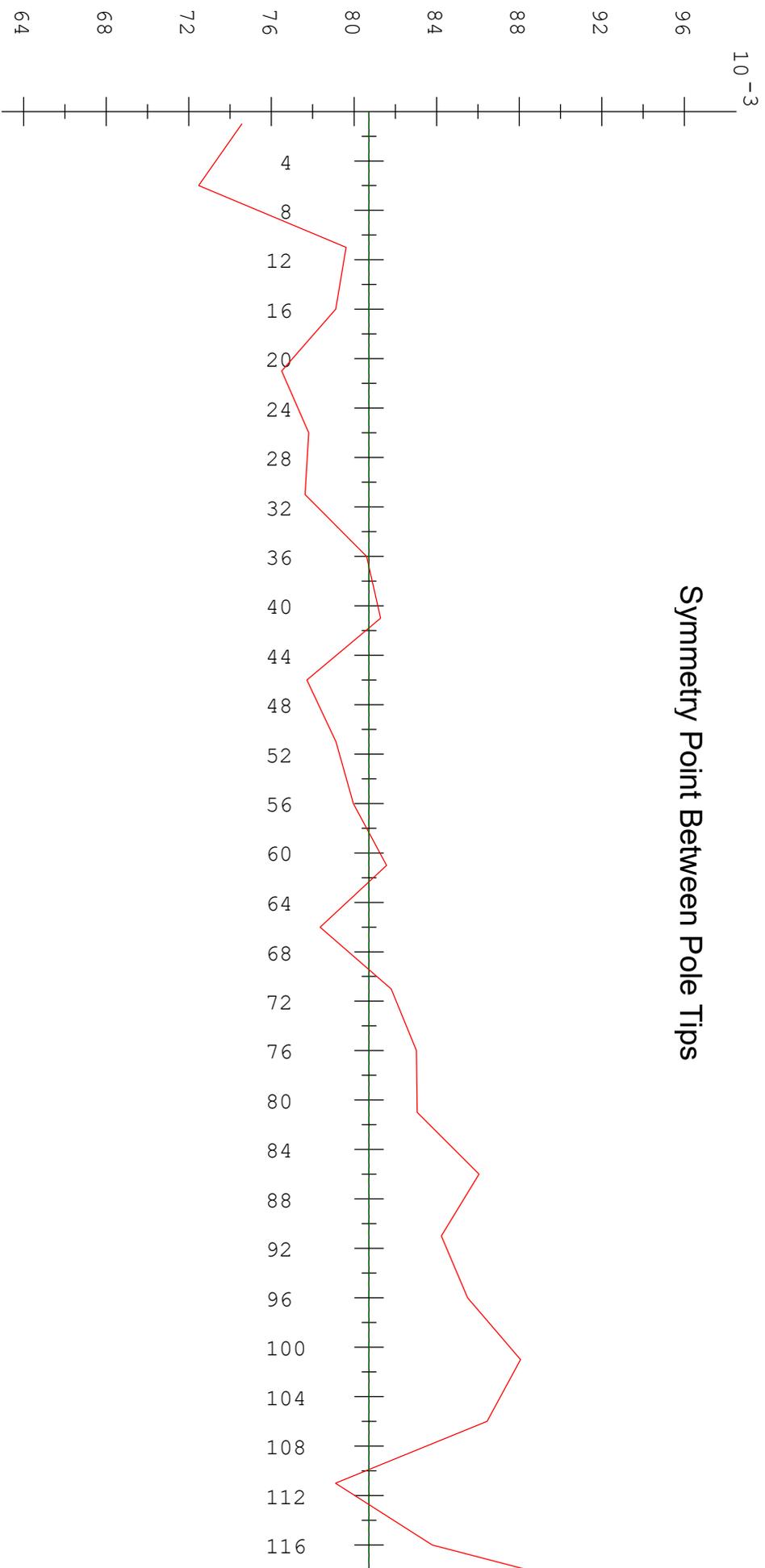


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 7.5
Gap Reading = 7.4999
US Encoder = 7.4999
Nominal Taper = 0.000
DS Encoder = 7.4999

14-AUG-2024
S/N = 025
D/S = 0001
Run = 3



Symmetry Point Between Pole Tips

Mean Symmetry Value = 0.0807

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 7.5 Nominal Taper = 0.000
 Gap Reading = 7.4999 US Encoder = 7.4999 DS Encoder = 7.4999

14-AUG-2024
 S/N = 025
 D/S = 0001
 Run = 3

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	3.8222	3.8241	3.8284	3.8304
Bottom	-3.6710	-3.6680	-3.6610	-3.6579
Gap	7.4932			7.4883
Taper				-0.0049

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.8259	-3.6644	7.4903	0.0807

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	7.473
Reference Block Gap	6.795

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 7.5 Nominal Taper = 0.000
 Gap Reading = 7.4999 US Encoder = 7.4999 DS Encoder = 7.4999

14-AUG-2024
 S/N = 025
 D/S = 0001
 Run = 3