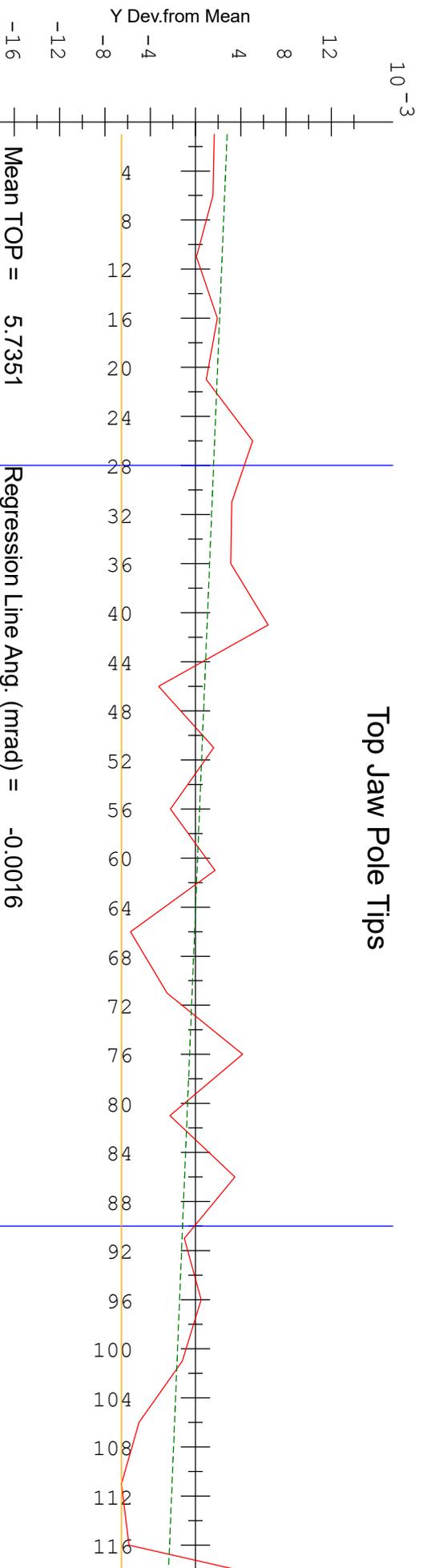


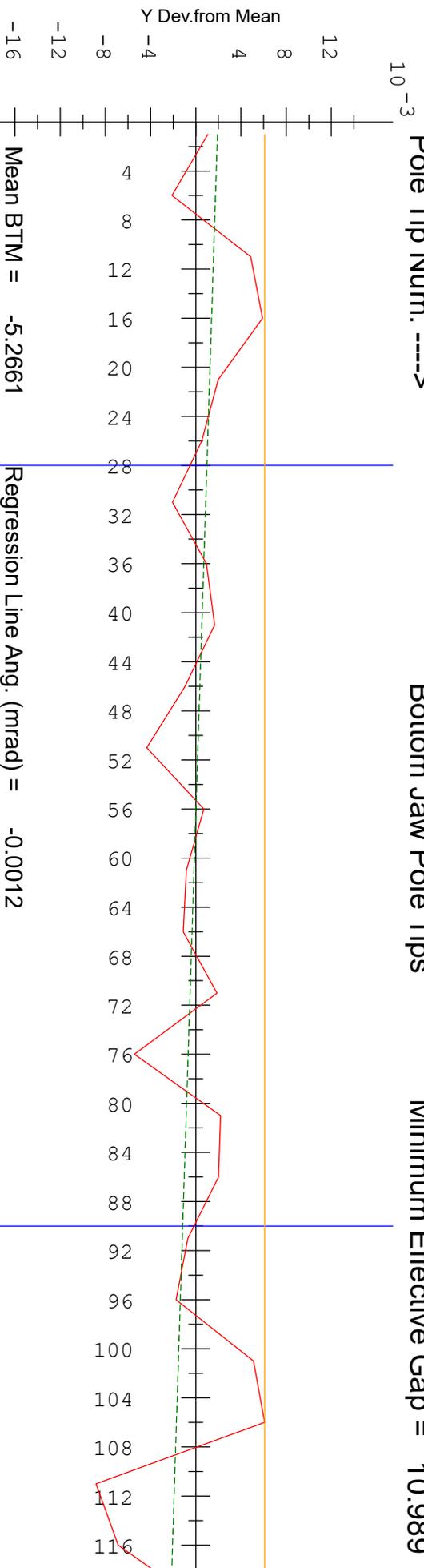
Top Jaw Pole Tips



Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 10.989



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

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



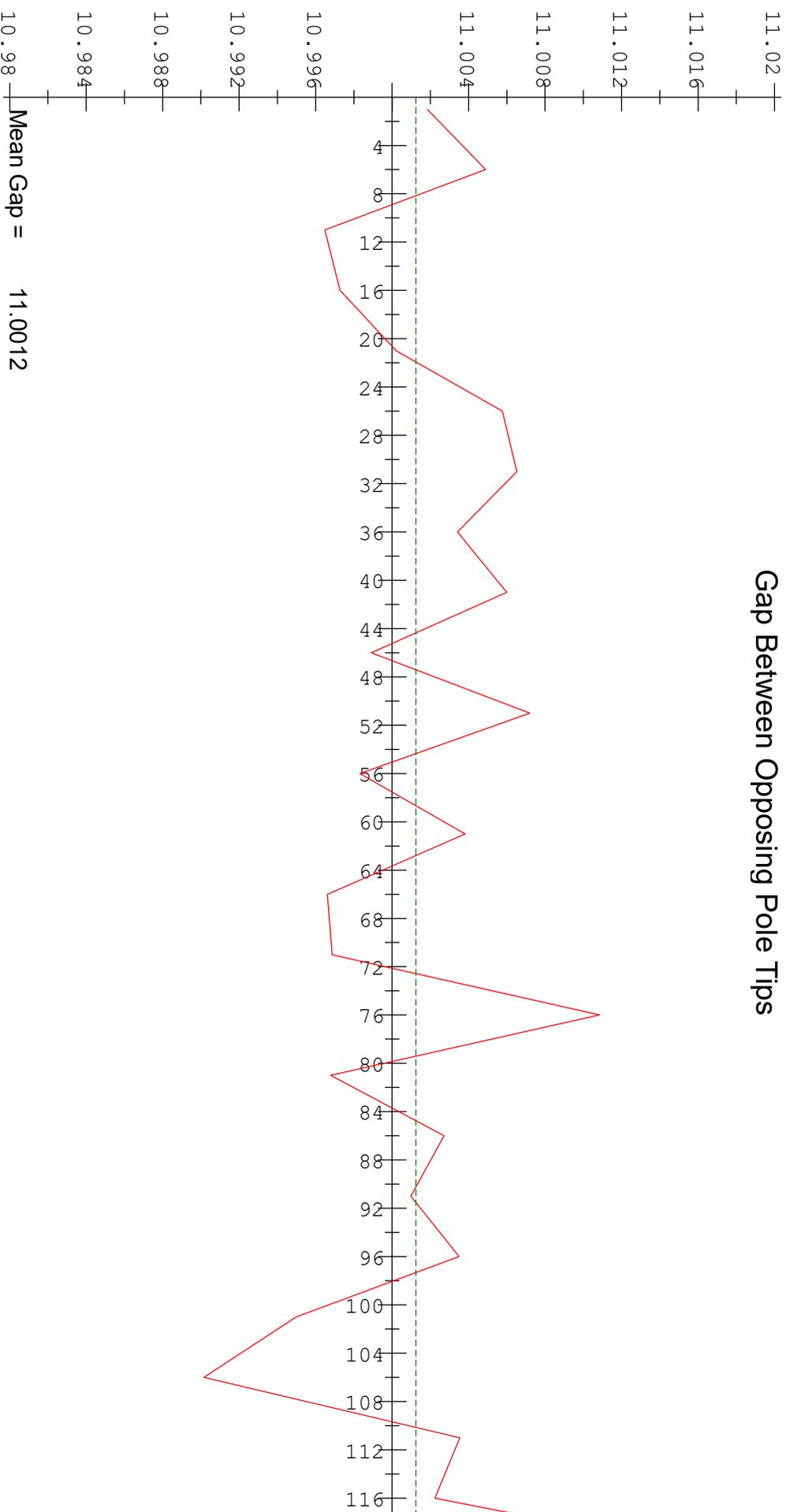
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 11 Nominal Taper = 0.000
Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

14-AUG-2024
S/N = 025
D/S = 0001
Run = 5

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



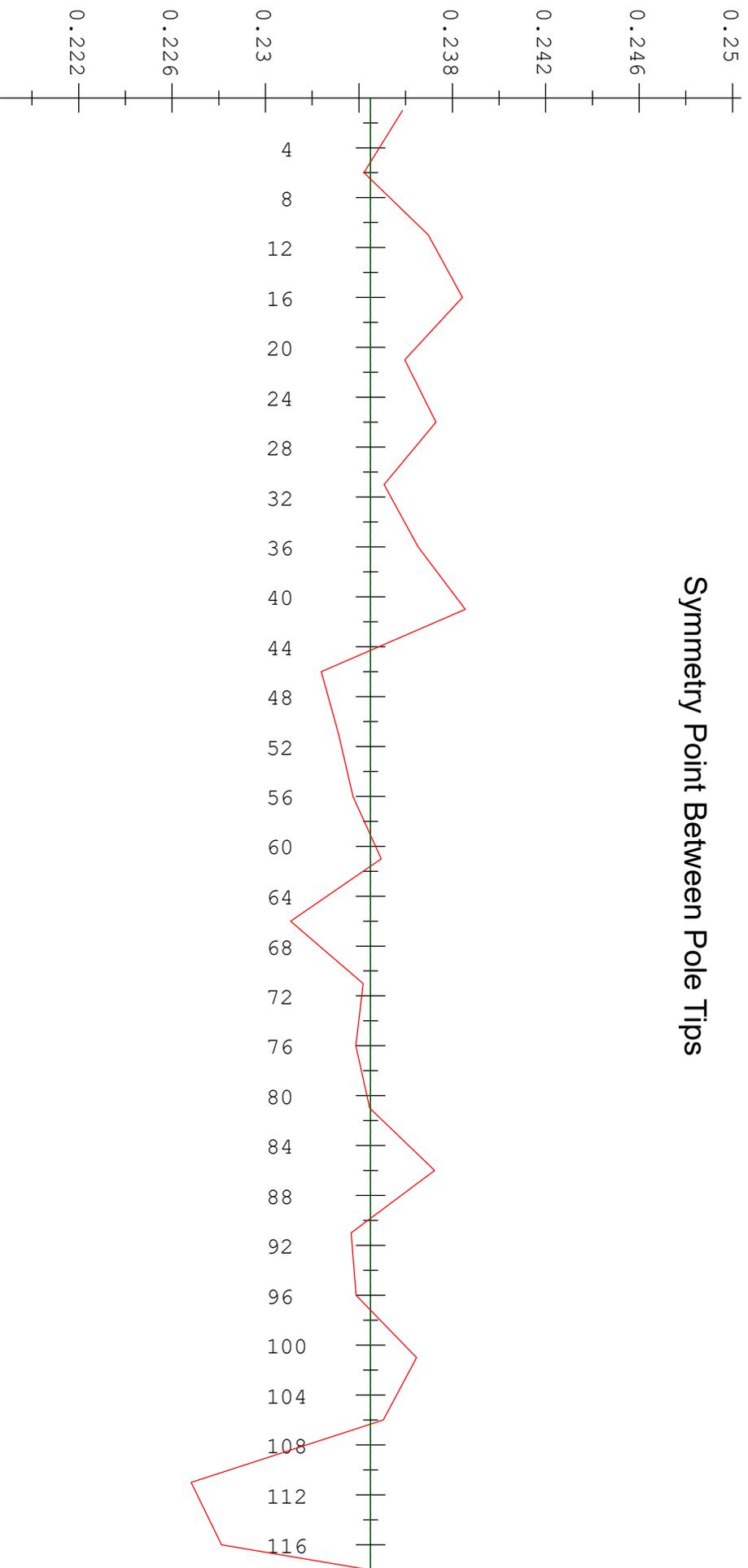
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 11
Gap Reading = 11.0000
US Encoder = 11.0000
Nominal Taper = 0.000
DS Encoder = 11.0000

14-AUG-2024
S/N = 025
D/S = 0001
Run = 5

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2345

Step Between Measured Pole Tips = 5

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 11 Nominal Taper = 0.000
Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

14-AUG-2024
S/N = 025
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	5.7379	5.7367	5.7340	5.7327
Bottom	-5.2642	-5.2651	-5.2673	-5.2682
Gap	11.0021			11.0010
Taper				-0.0011

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.7351	-5.2661	11.0012	0.2345

Additional Calculated Values

Bottom Pole #1 Z Value	979.432
Top Jaw Pitch (mrad)	-0.002
Bottom Jaw Pitch(mrad)	-0.001
Minimum Effective Gap	10.989
Reference Block Gap	6.795

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 11 Nominal Taper = 0.000
 Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

14-AUG-2024
 S/N = 025
 D/S = 0001
 Run = 5