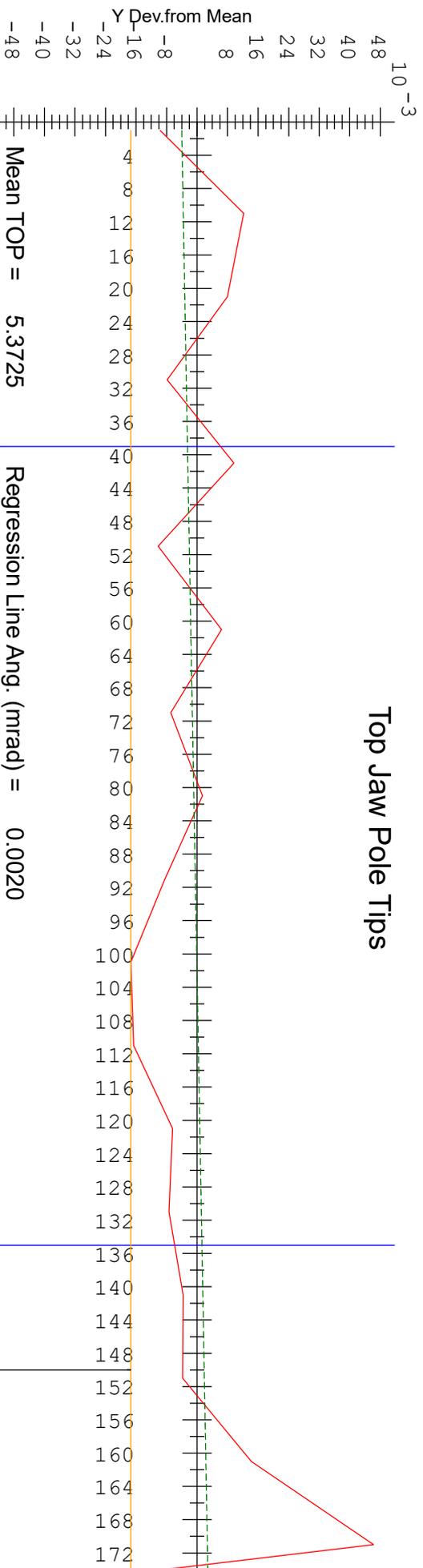


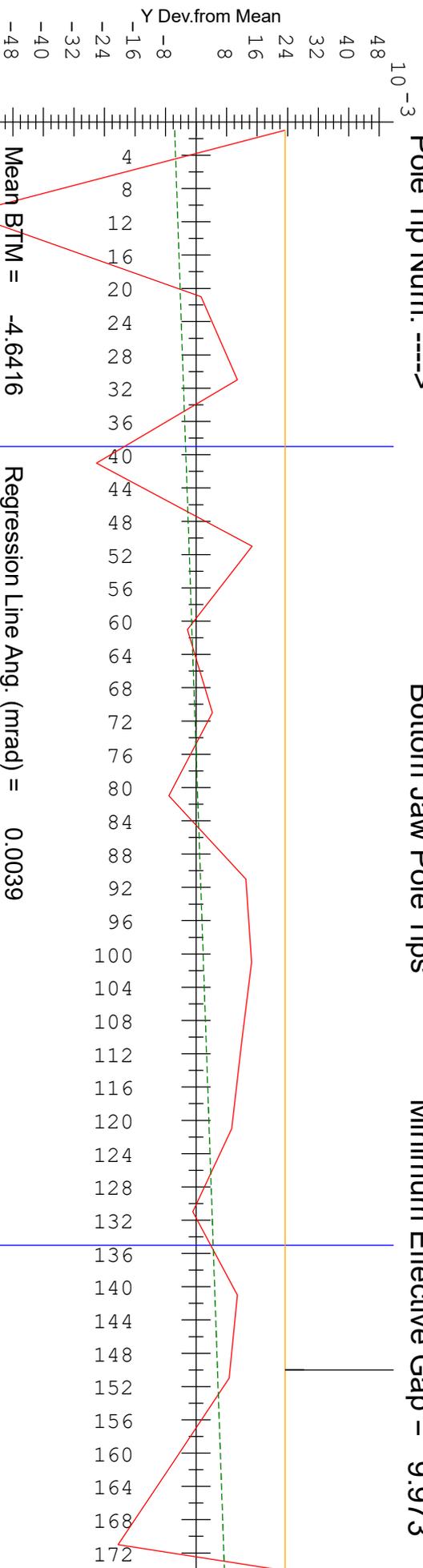
Top Jaw Pole Tips



Pole Tip Num. ---->

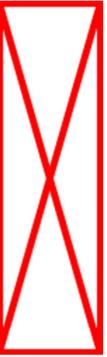
Bottom Jaw Pole Tips

Minimum Effective Gap = 9.973



Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 10

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



METROLOGY

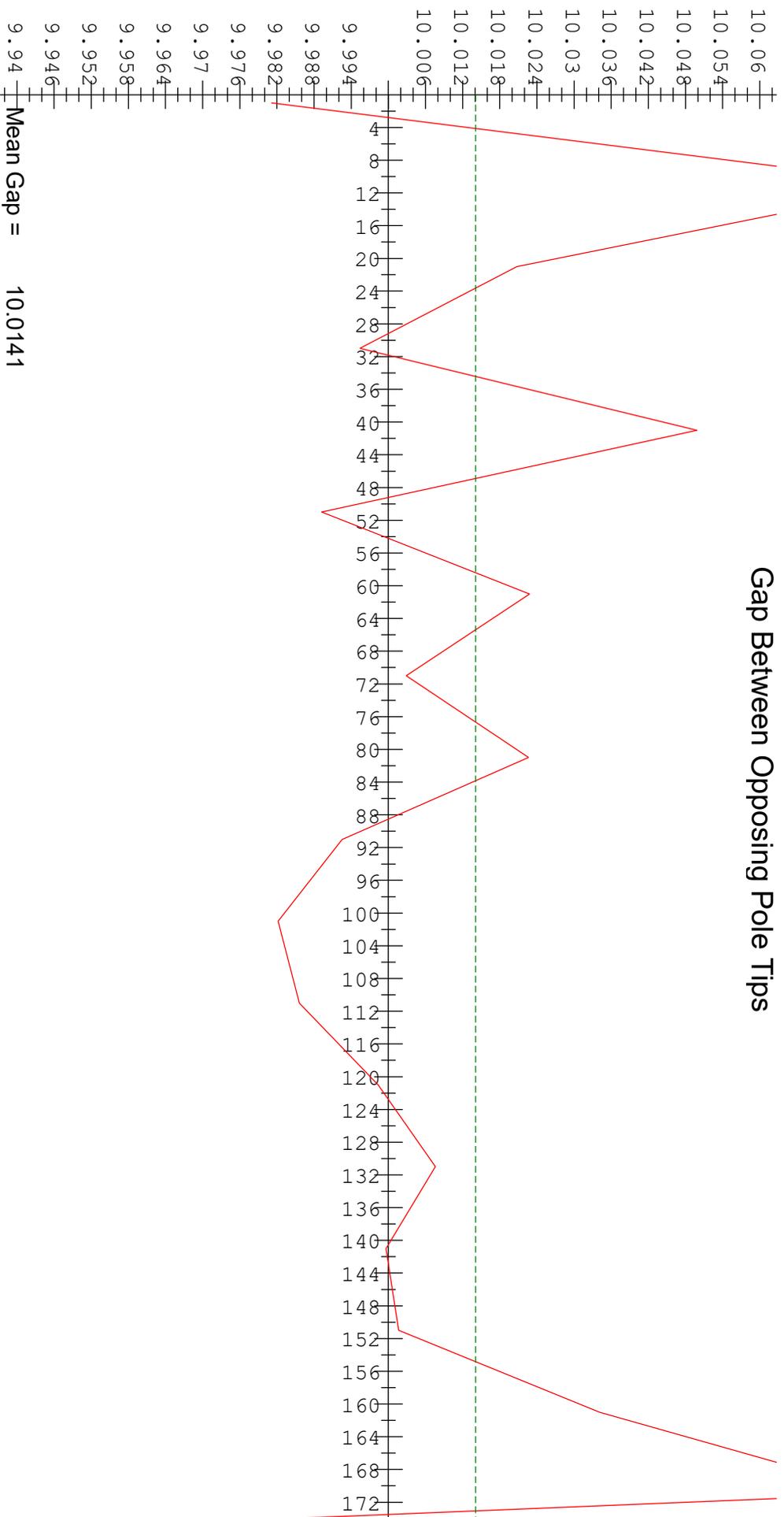
LCLS II - SXR Undulator

Nominal Gap = 10
Gap Reading = 10.0000
US Encoder = 10.0000

Nominal Taper = 0.000
DS Encoder = 10.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 17

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 10

Dimensions in mm



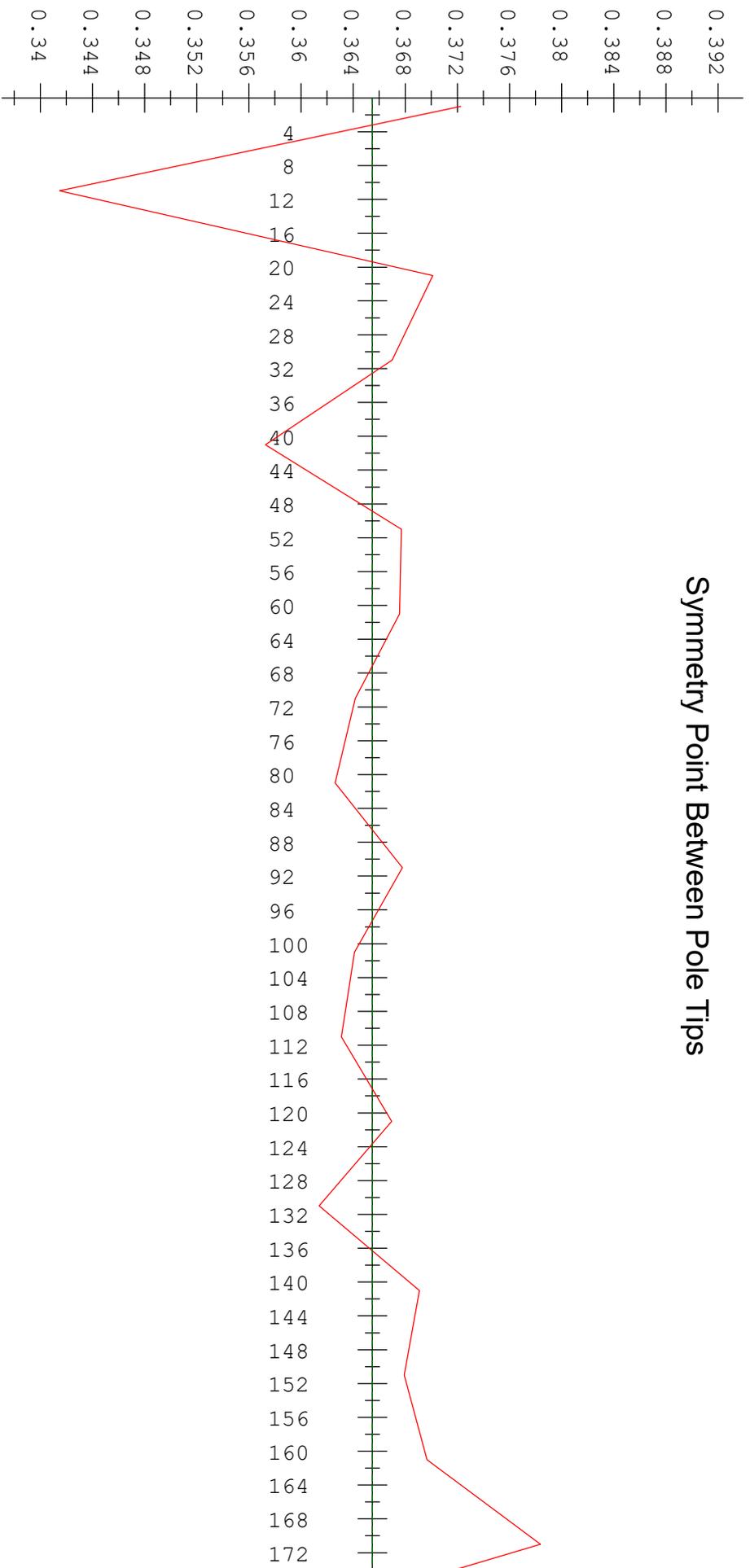
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

11-AUG-2021
 S/N = 021
 D/S = 0002
 Run = 17

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3655

Step Between Measured Pole Tips = 10

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 US Encoder = 10.0000
Nominal Taper = 0.000 DS Encoder = 10.0000
Gap Reading = 10.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 17

Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole <i>(Pole -1)</i>	US Actuator <i>(Pole 39)</i>	DS Actuator <i>(Pole 135)</i>	Last Pole <i>(Pole 174)</i>
Top	5.3685	5.3700	5.3738	5.3754
Bottom	-4.6472	-4.6443	-4.6371	-4.6342
Gap	10.0157			10.0095
Taper				-0.0062

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3725	-4.6416	10.0141	0.3655

Additional Calculated Values

Bottom Pole #1 Z Value	980.195
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.004
Minimum Effective Gap	9.973
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 US Encoder = 10.0000 Nominal Taper = 0.000
Gap Reading = 10.0000 DS Encoder = 10.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 17