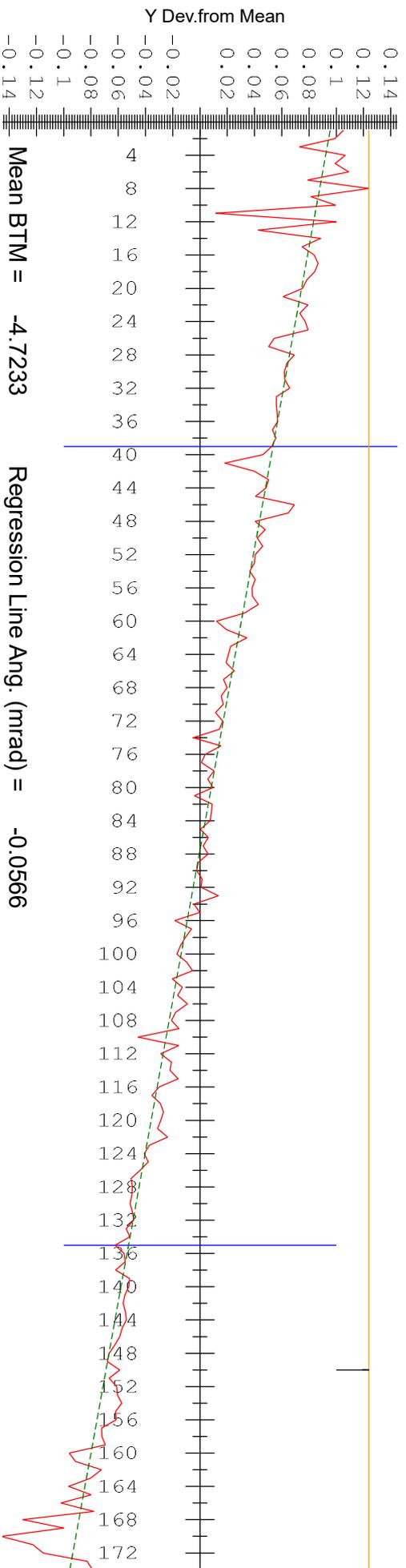
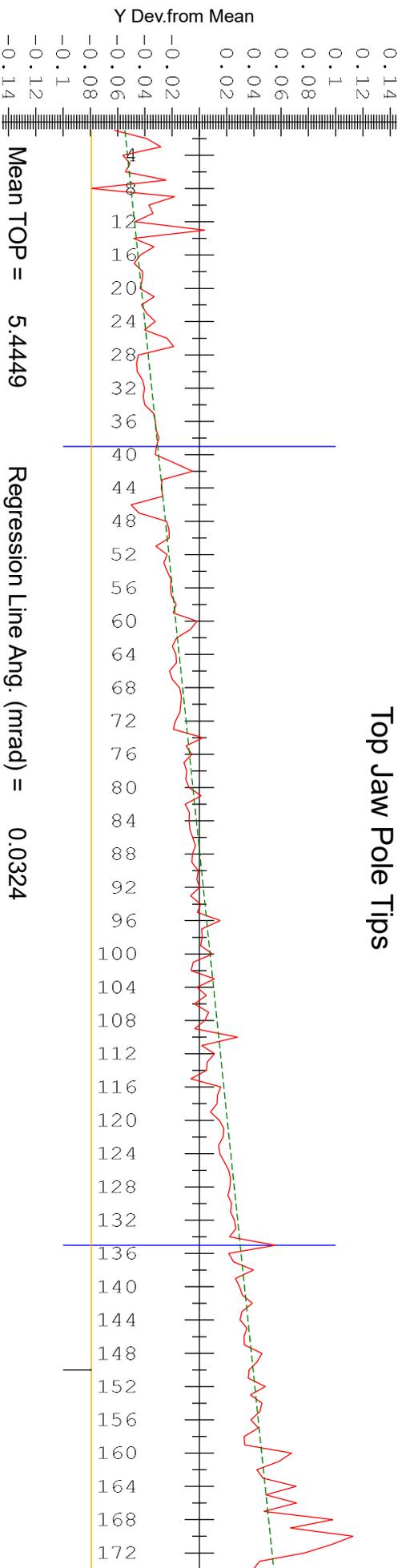


Top Jaw Pole Tips



Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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

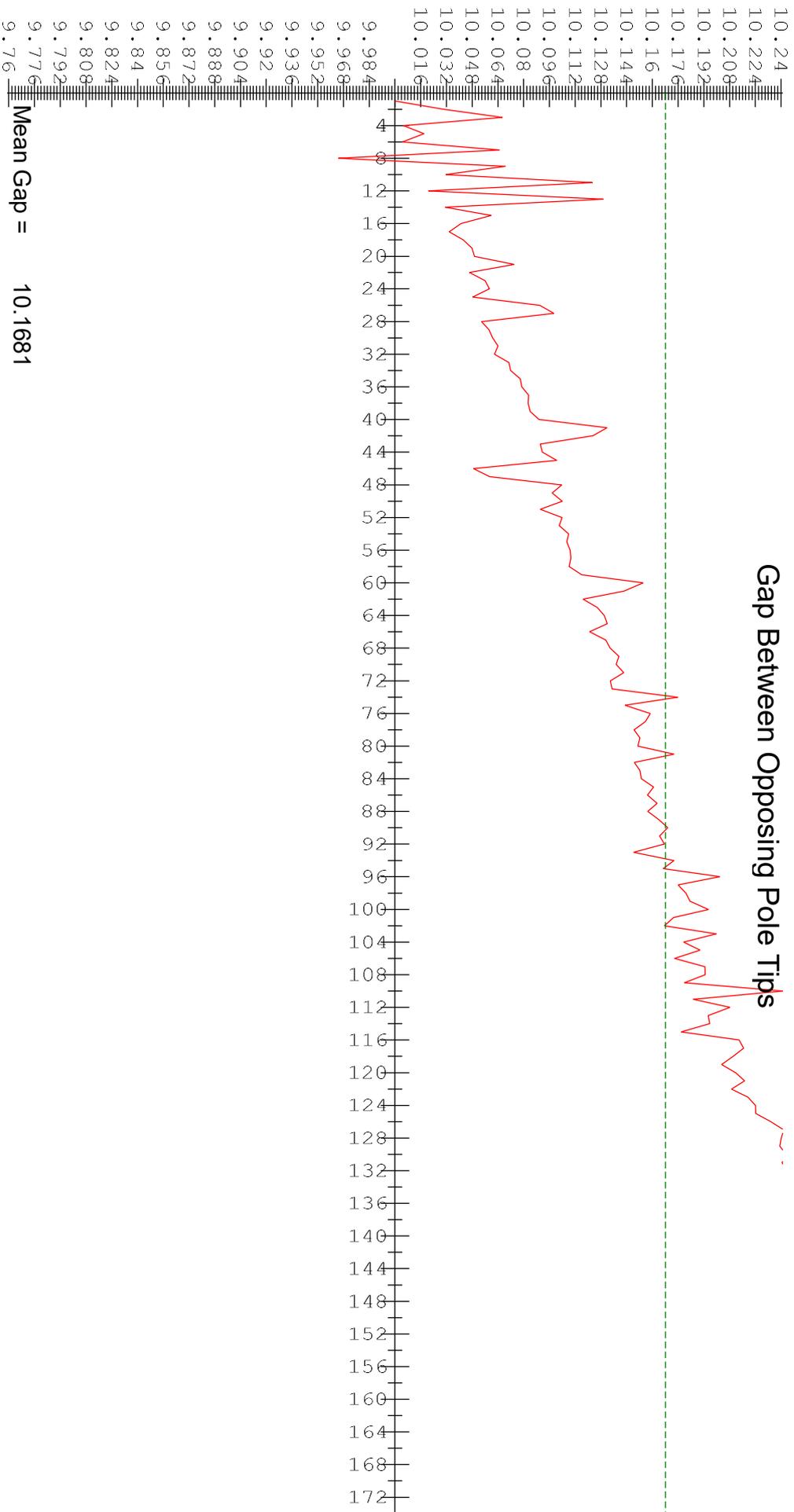


METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300
Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3001

14-JUL-2020
S/N = 021
D/S = 0001
Run = 24



Step Between Measured Pole Tips = 1

Dimensions in mm



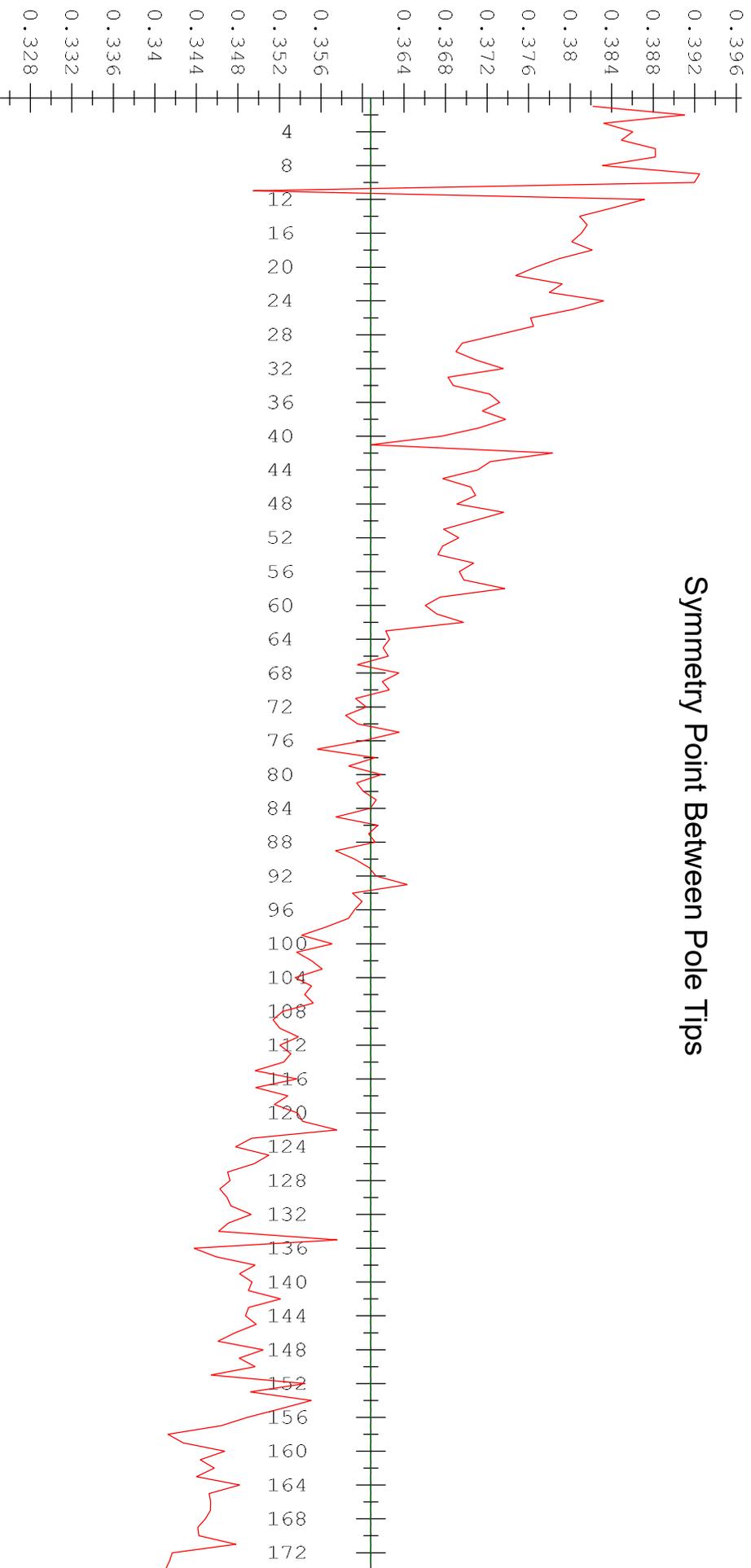
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300
 Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3001

14-JUL-2020
 S/N = 021
 D/S = 0001
 Run = 24

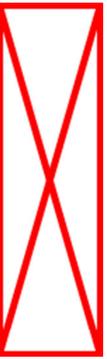
Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3608

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300
Gap Reading = 10.1500 US Encoder = 10.0000 DS Encoder = 10.3001

14-JUL-2020
S/N = 021
D/S = 0001
Run = 24

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	5.3903	5.4143	5.4748	5.4995
Bottom	-4.6278	-4.6697	-4.7757	-4.8188
Gap	10.0180			10.3182
Taper				0.3002

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4449	-4.7233	10.1681	0.3608

Additional Calculated Values

Bottom Pole #1 Z Value	980.159
Top Jaw Pitch (mrad)	0.032
Bottom Jaw Pitch(mrad)	-0.057
Minimum Effective Gap	9.965
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 US Encoder = 10.0000 Nominal Taper = 0.300
 Gap Reading = 10.1500 DS Encoder = 10.3001

14-JUL-2020
 S/N = 021
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 Run = 24