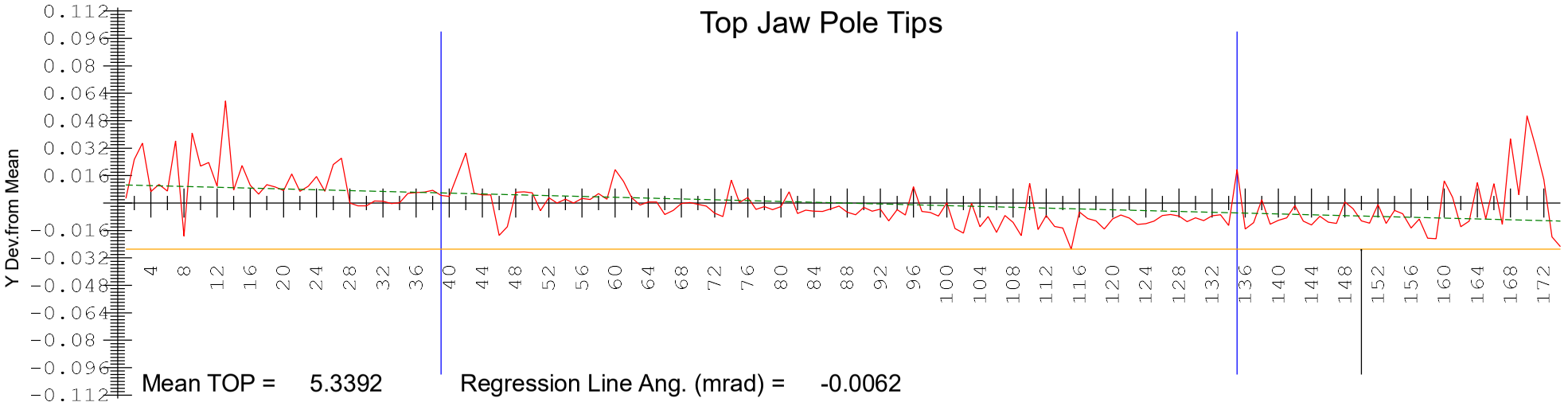
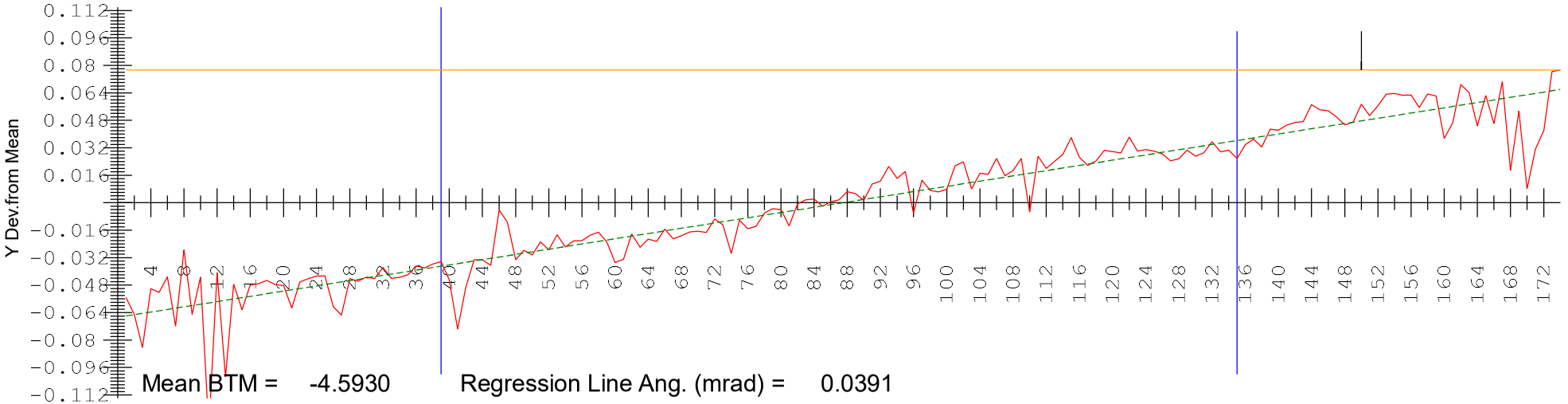


Pole Tip Num. ---->



Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points =----------

Dimensions in mm

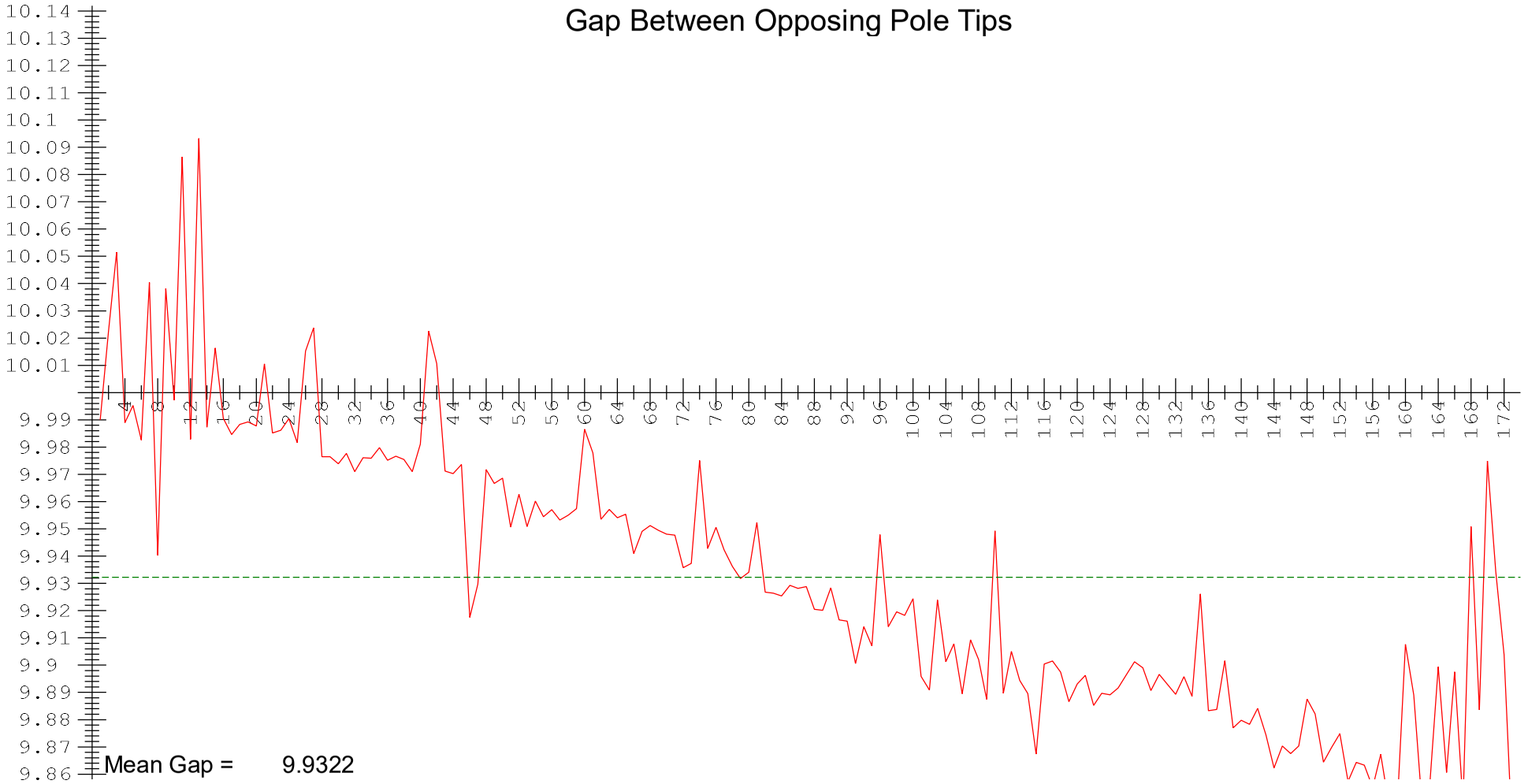
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

13-JUL-2020
S/N = 021
D/S= 0001
Run= 20



Step Between Measured Pole Tips = 1

Dimensions in mm

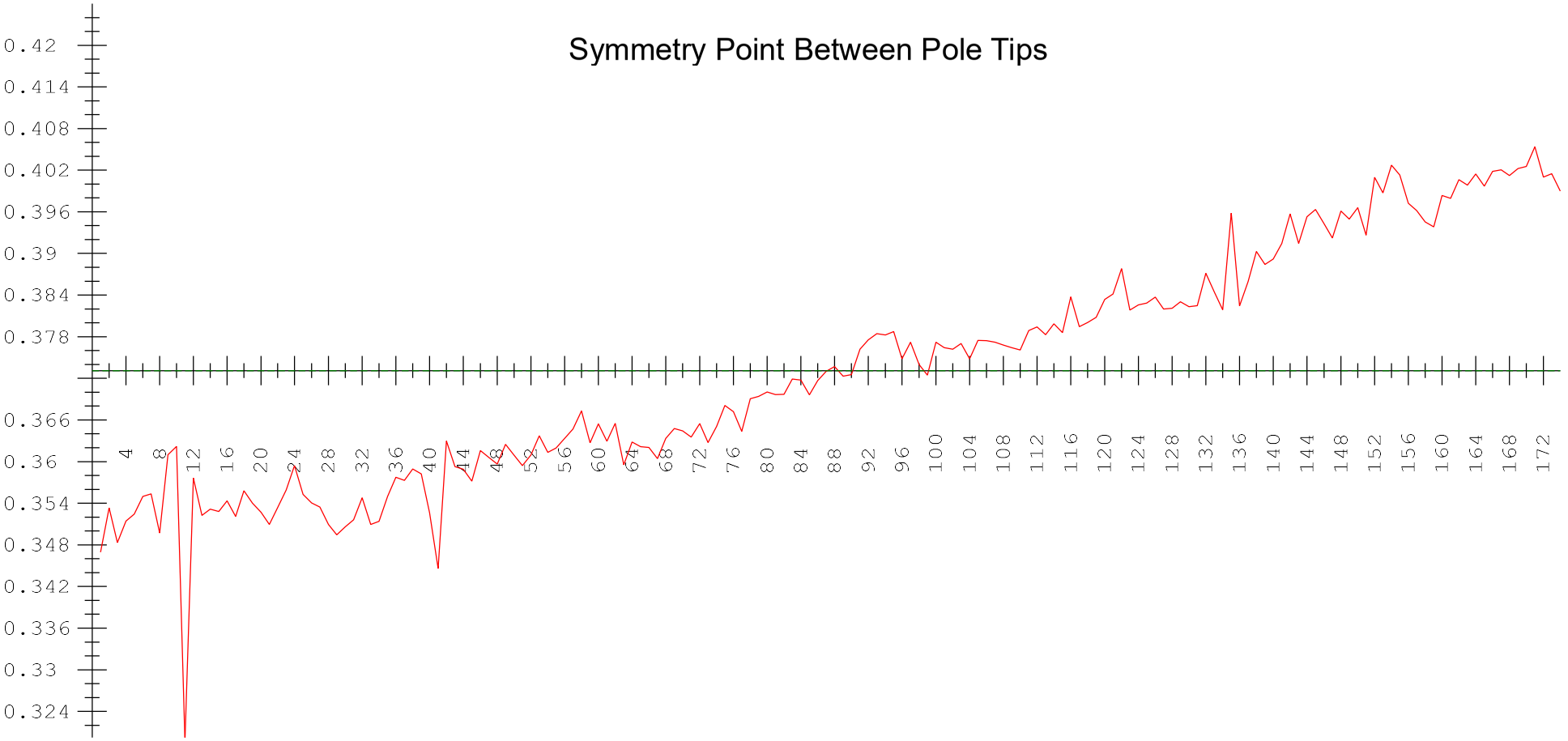
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

13-JUL-2020
S/N = 021
D/S= 0001
Run= 20



Mean Symmetry Value = 0.3731

Step Between Measured Pole Tips = 1

Dimensions in mm

METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

13-JUL-2020
S/N = 021
D/S= 0001
Run= 20

Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 39)	DS Actuator (Pole 135)	Last Pole (Pole 174)
Top	5.3497	5.3451	5.3334	5.3287
Bottom	-4.6590	-4.6300	-4.5568	-4.5270
Gap	10.0088			9.8557
Taper				-0.1530

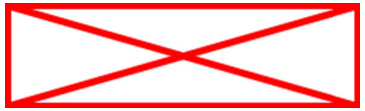
Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.3392	-4.5930	9.9322	0.3731

Additional Calculated Values

Bottom Pole #1 Z Value	980.139
Top Jaw Pitch (mrad)	-0.006
Bottom Jaw Pitch(mrad)	0.039
Minimum Effective Gap	9.828
Reference Block Gap	6.797

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

13-JUL-2020
S/N = 021
D/S= 0001
Run= 20