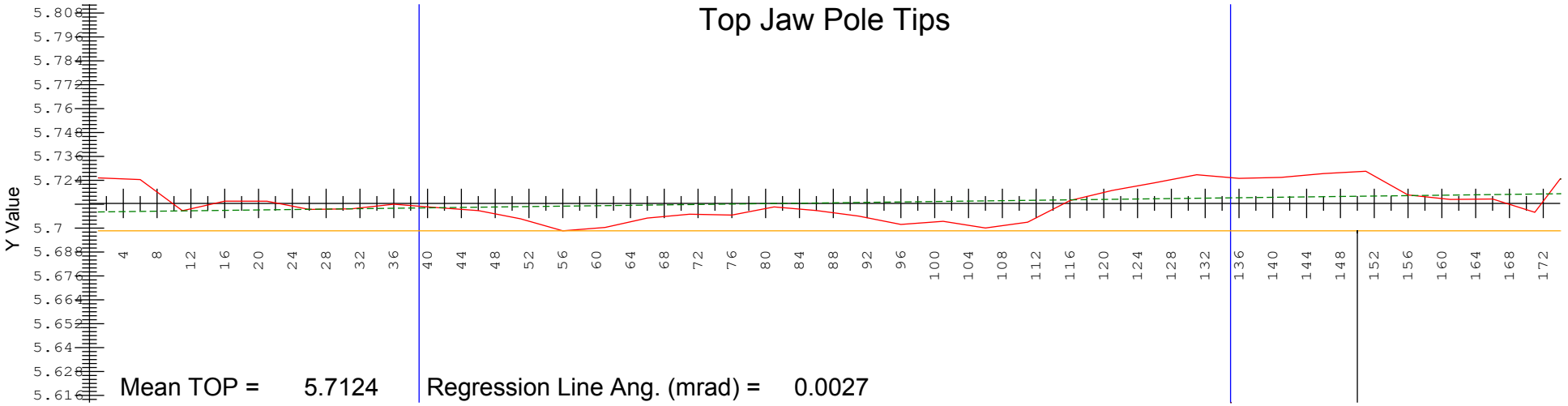
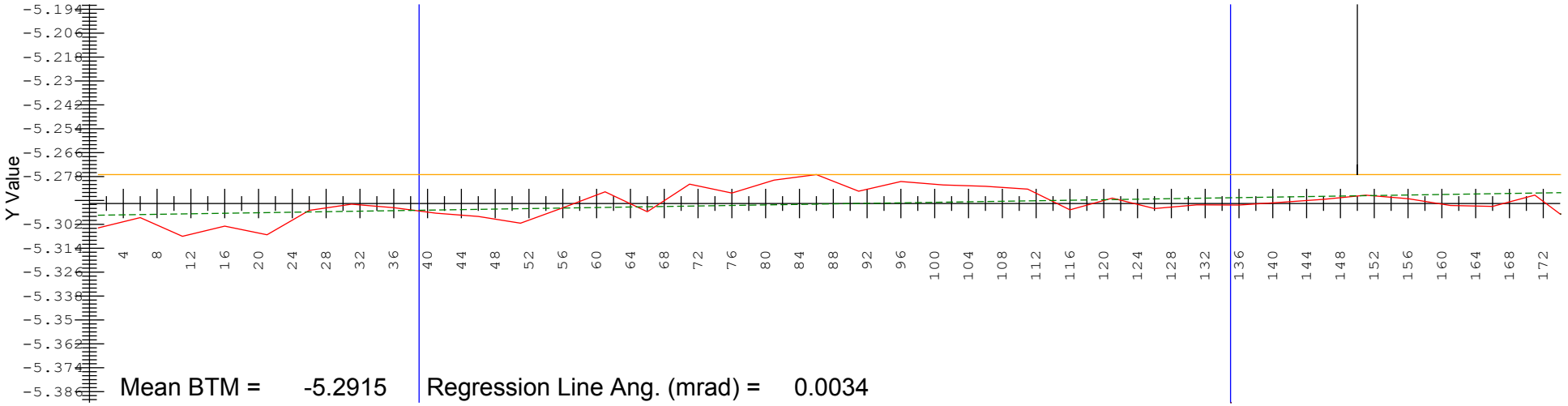


Mean TOP = 5.7124 Regression Line Ang. (mrad) = 0.0027

Pole Tip Num. ----> Bottom Jaw Pole Tips Minimum Effective Gap = 10.976



Mean BTM = -5.2915 Regression Line Ang. (mrad) = 0.0034

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 5

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

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

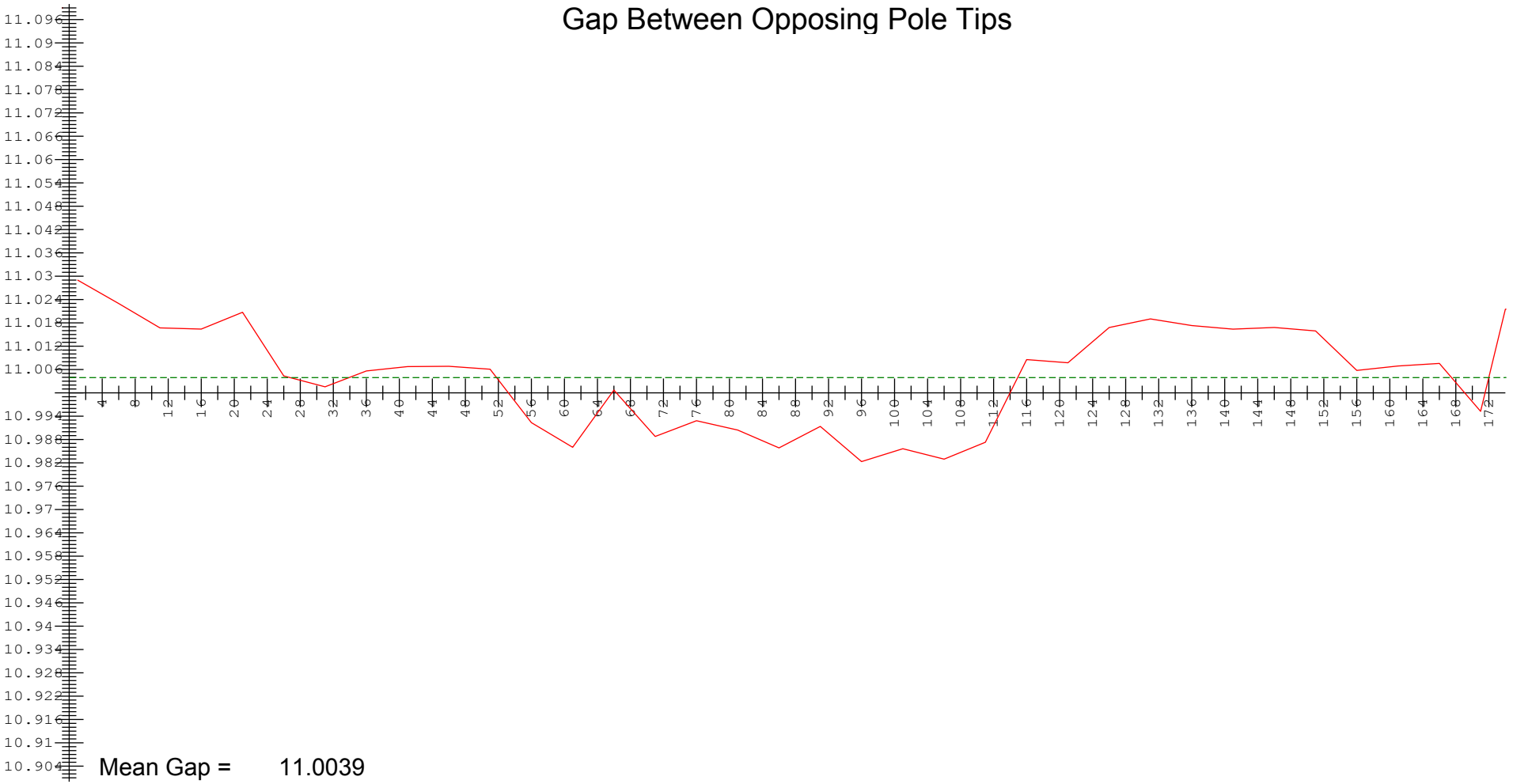
LCLS II - SXR Undulator

Nominal Gap = 11

Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

05-FEB-2018
S/N = 005
D/S= 0001
Run= 06

Gap Between Opposing Pole Tips



Mean Gap = 11.0039

Step Between Measured Pole Tips = 5

Dimensions in mm

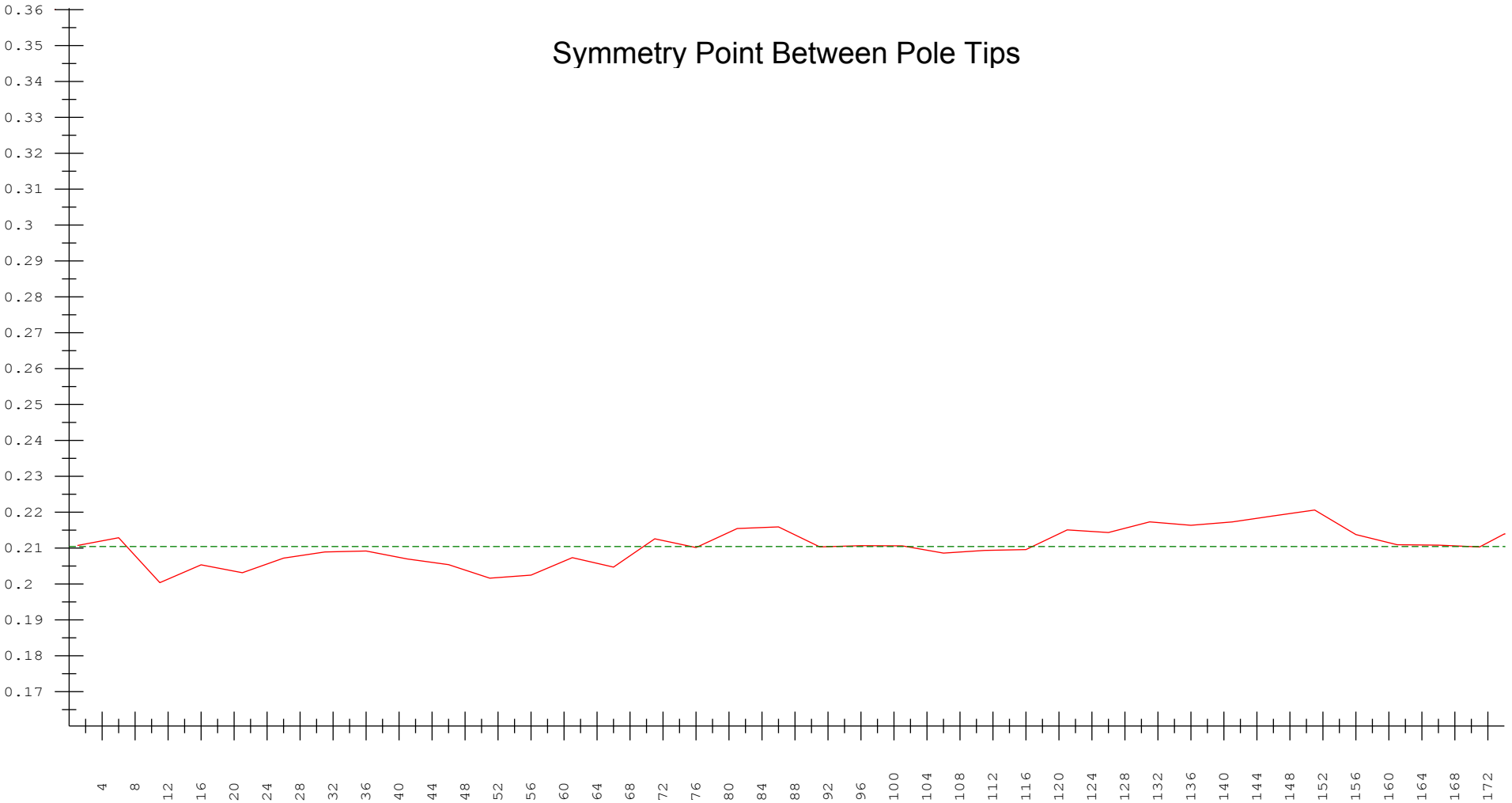
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 11

Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

05-FEB-2018
S/N = 005
D/S= 0001
Run= 06



Mean Symmetry Value = 0.2104

Step Between Measured Pole Tips = 5

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 11

Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

05-FEB-2018
S/N = 005
D/S= 0001
Run= 06

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	5.7081	5.7101	5.7152	5.7173
Bottom	-5.2974	-5.2949	-5.2886	-5.2861

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.7124	-5.2915	11.0039	0.2104

Additional Calculated Values

Bottom Pole #1 Z Value	**979.331**
Top Jaw Pitch (mrad)	**0.003**
Bottom Jaw Pitch(mrad)	**0.003**
Minimum Effective Gap	**10.976**
Reference Block Gap	**6.808**

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 11

Gap Reading = 11.0000 US Encoder = 11.0000 DS Encoder = 11.0000

05-FEB-2018
S/N = 005
D/S= 0001
Run= 06