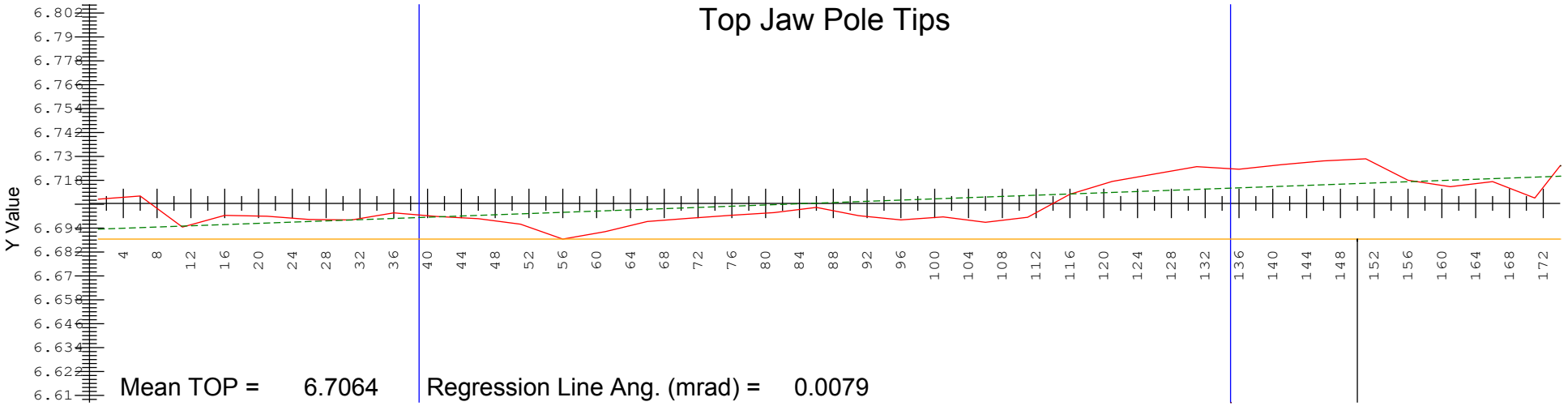
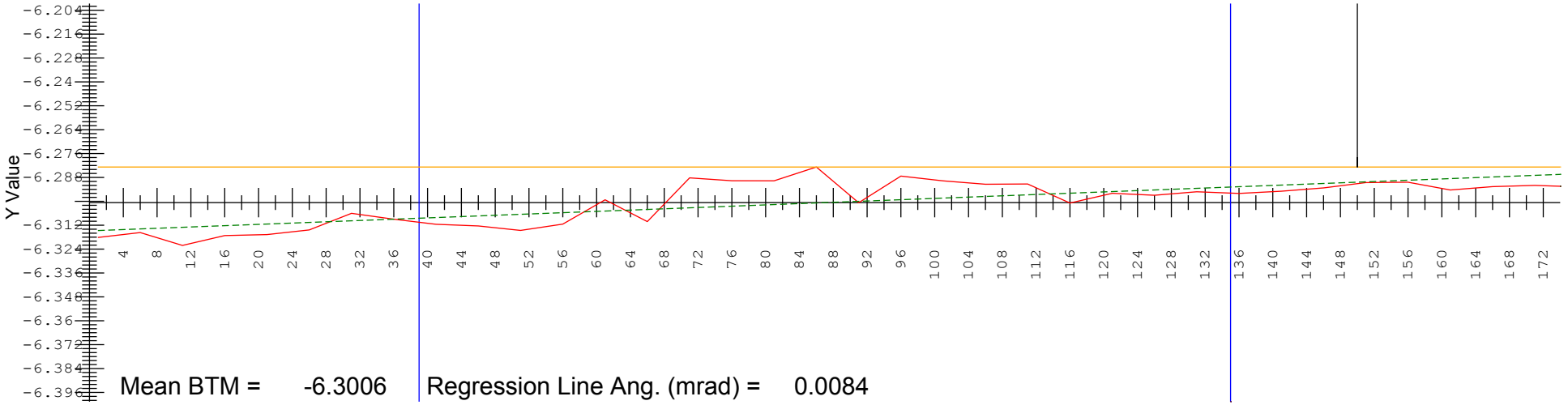


Mean TOP = 6.7064 Regression Line Ang. (mrad) = 0.0079

Pole Tip Num. ----> Bottom Jaw Pole Tips Minimum Effective Gap = 12.971



Mean BTM = -6.3006 Regression Line Ang. (mrad) = 0.0084

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

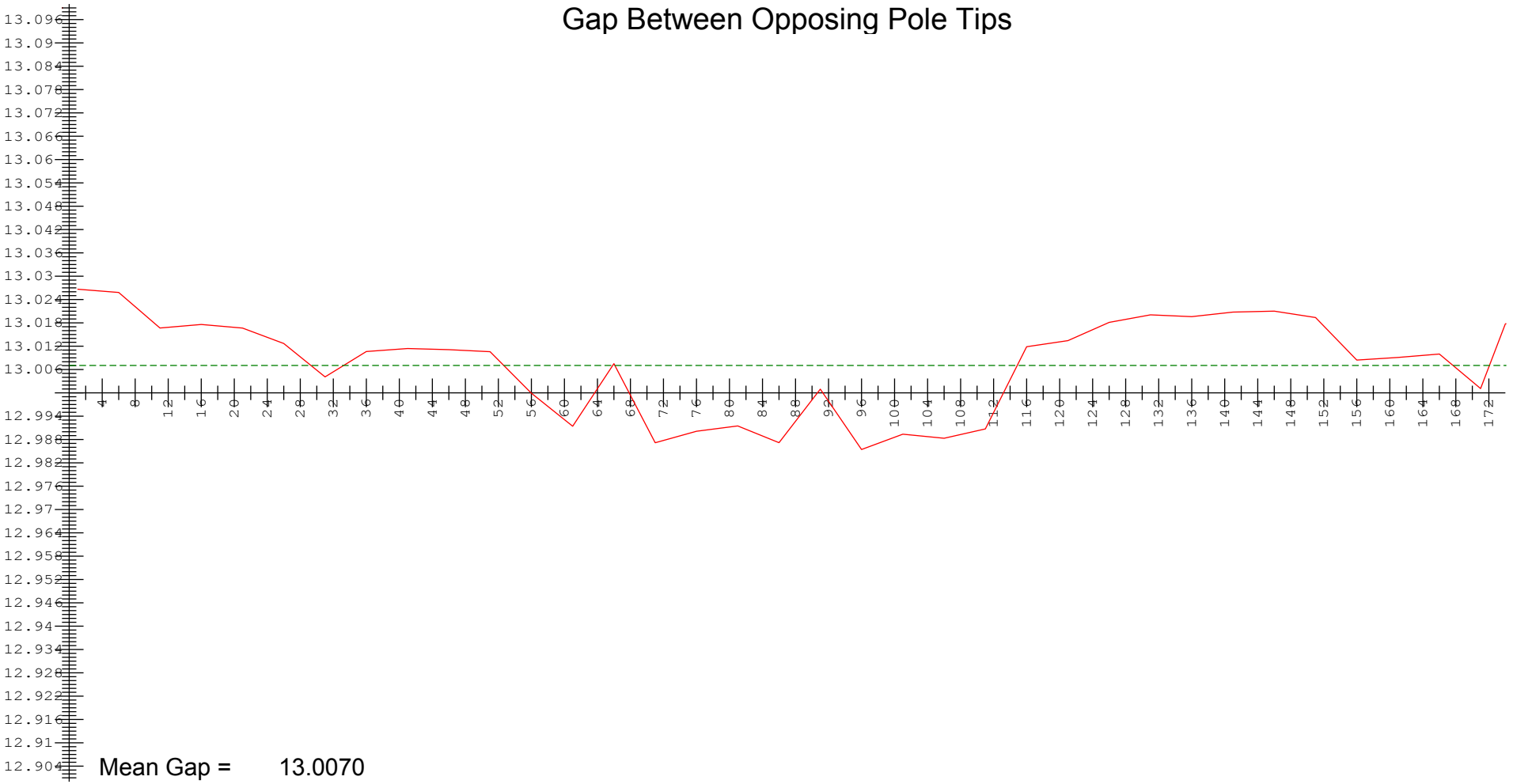
LCLS II - SXR Undulator

Nominal Gap = 13

Gap Reading = 13.0000 US Encoder = 13.0000 DS Encoder = 13.0000

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

Gap Between Opposing Pole Tips



Mean Gap = 13.0070

Step Between Measured Pole Tips = 5

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

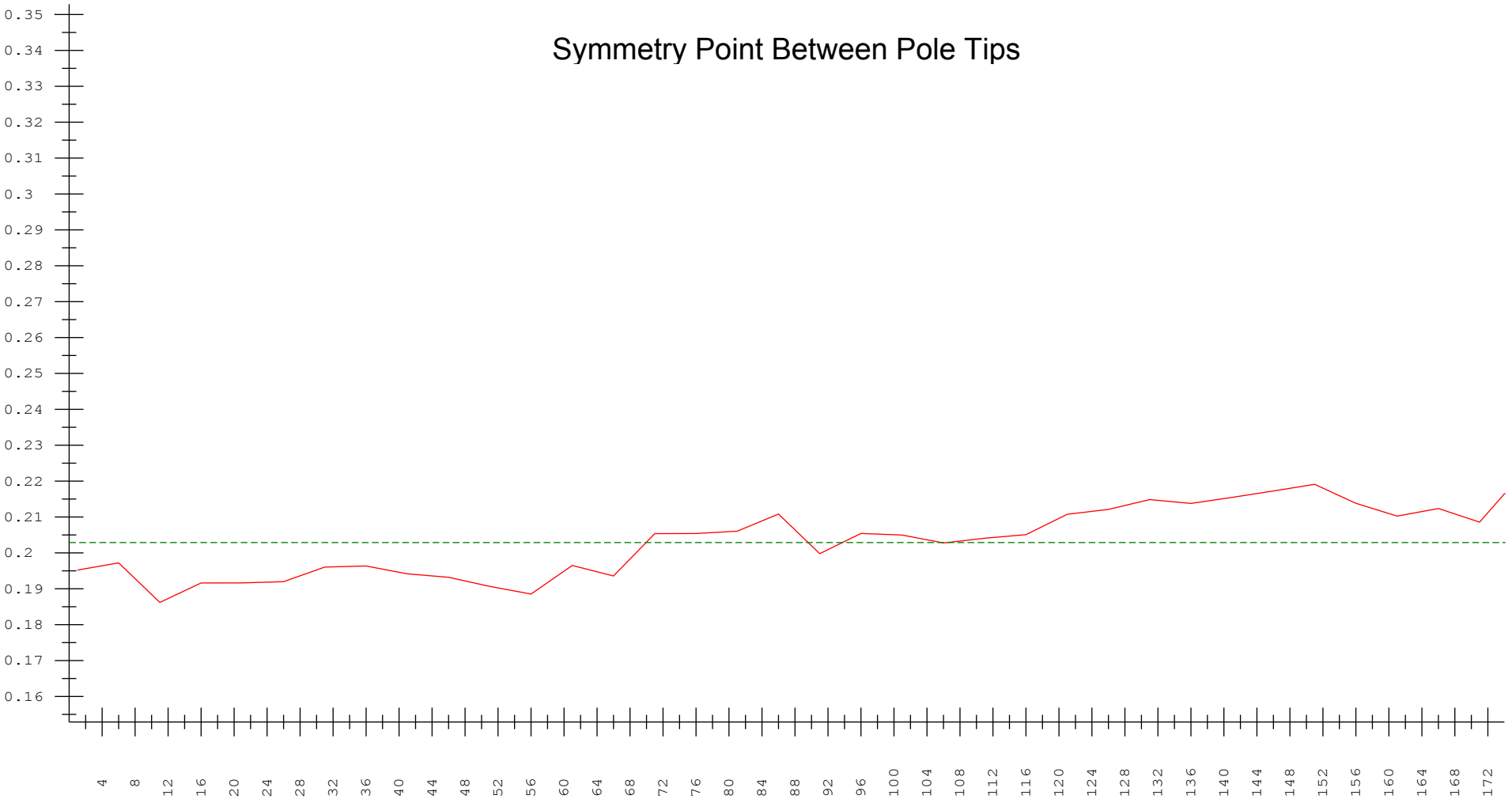
LCLS II - SXR Undulator

Nominal Gap = 13

Gap Reading = 13.0000 US Encoder = 13.0000 DS Encoder = 13.0000

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

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2029

Step Between Measured Pole Tips = 5

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 13

Gap Reading = 13.0000 US Encoder = 13.0000 DS Encoder = 13.0000

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	6.6935	6.6993	6.7141	6.7201
Bottom	-6.3147	-6.3085	-6.2928	-6.2864

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.7064	-6.3006	13.0070	0.2029

Additional Calculated Values

Bottom Pole #1 Z Value	**979.331**
Top Jaw Pitch (mrad)	**0.008**
Bottom Jaw Pitch(mrad)	**0.008**
Minimum Effective Gap	**12.971**
Reference Block Gap	**6.808**

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 13

Gap Reading = 13.0000 US Encoder = 13.0000 DS Encoder = 13.0000

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