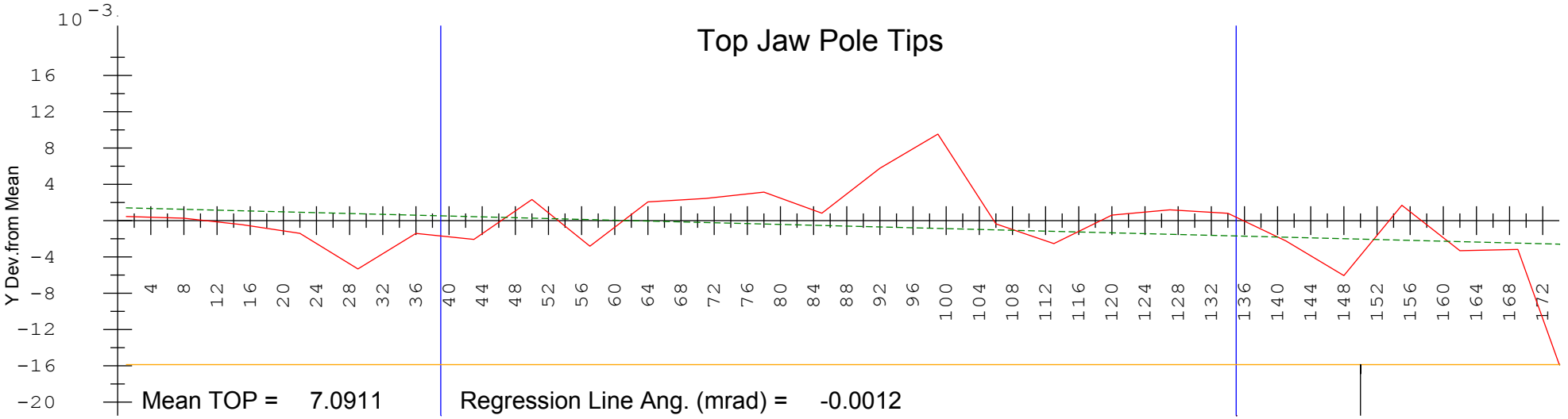
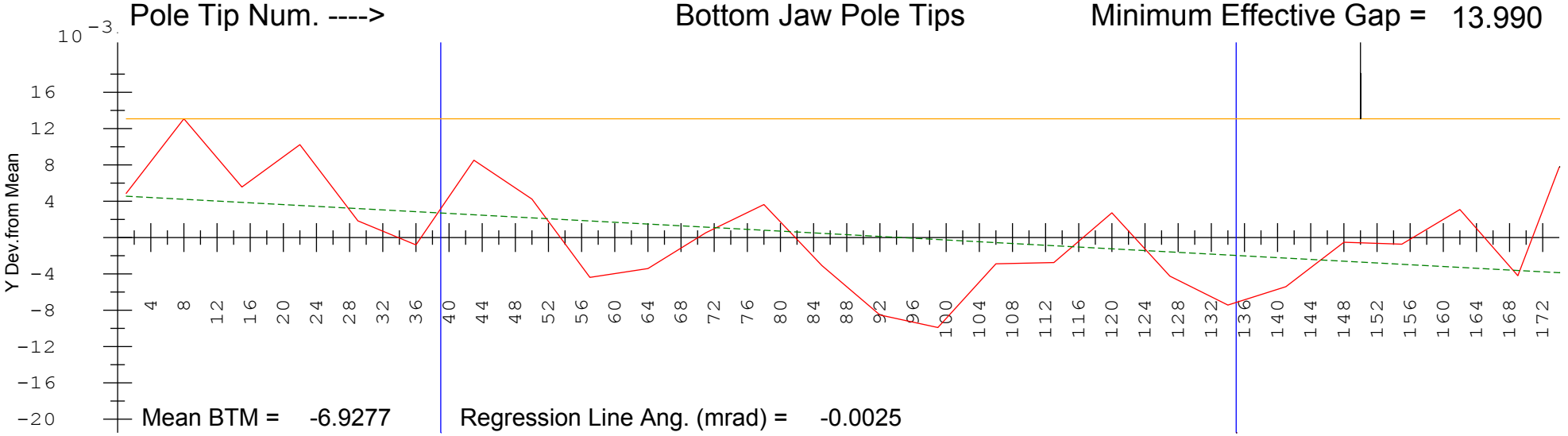


Pole Tip Num. ---->



Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 7

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

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY

METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 Nominal Taper = 0.000

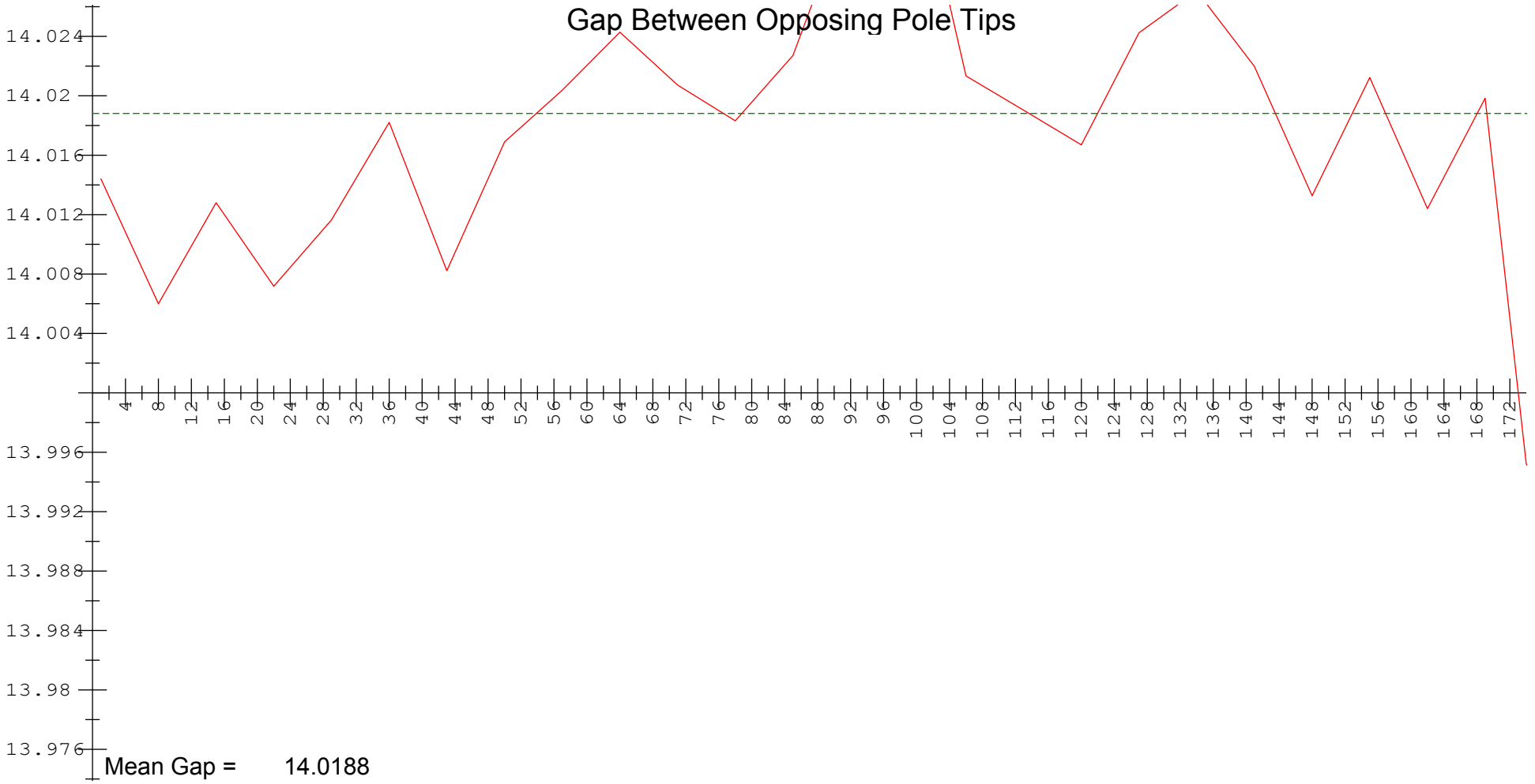
Gap Reading = 14.0000 US Encoder = 14.0000 DS Encoder = 14.0000

22-JUN-2018

S/N = 012

D/S= 0001

Run= 12



Step Between Measured Pole Tips = 7

Dimensions in mm

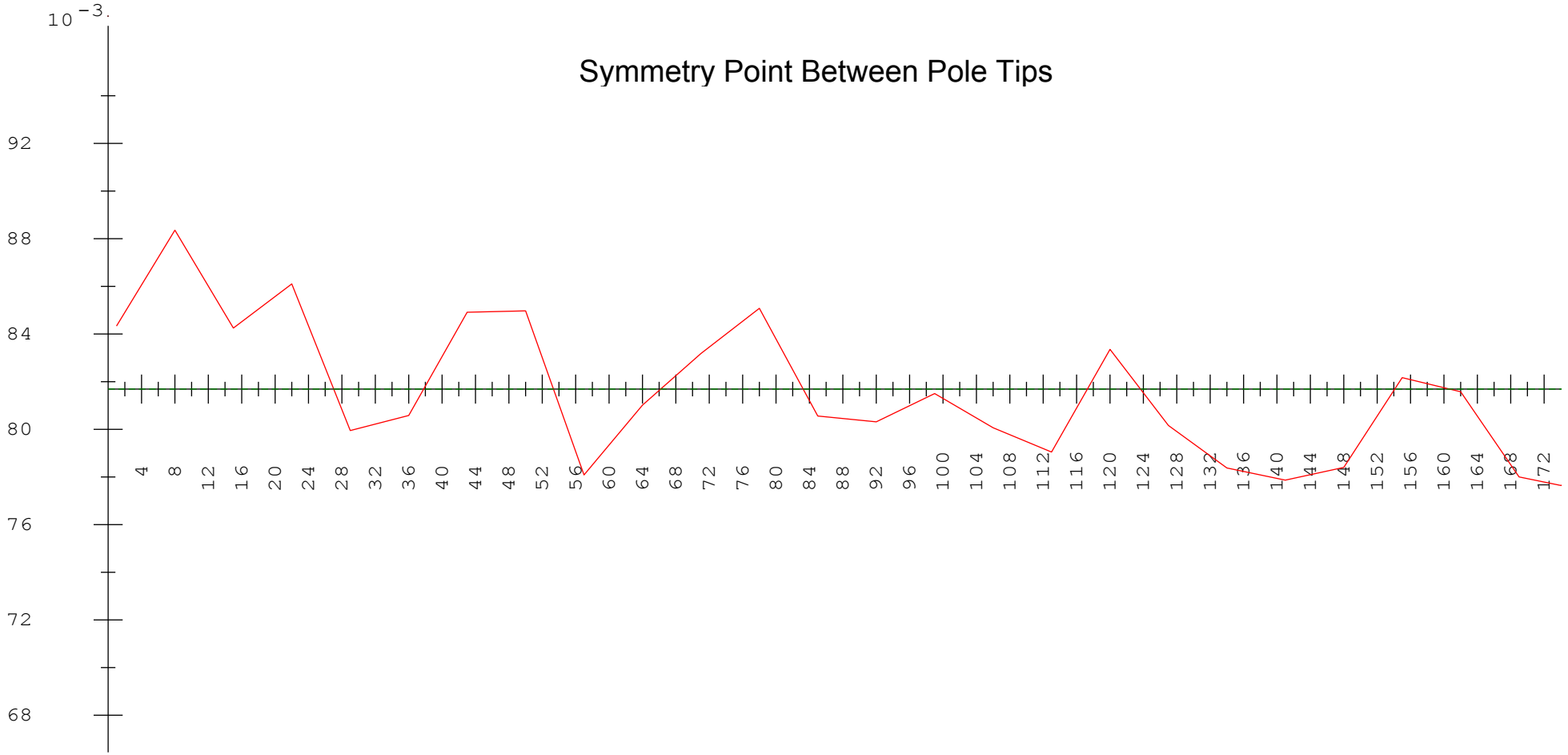
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 Nominal Taper = 0.000

Gap Reading = 14.0000 US Encoder = 14.0000 DS Encoder = 14.0000

22-JUN-2018
S/N = 012
D/S= 0001
Run= 12



Mean Symmetry Value = 0.0817

Step Between Measured Pole Tips = 7

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 Nominal Taper = 0.000

Gap Reading = 14.0000 US Encoder = 14.0000 DS Encoder = 14.0000

22-JUN-2018
S/N = 012
D/S= 0001
Run= 12

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	7.0925	7.0916	7.0894	7.0885
Bottom	-6.9232	-6.9250	-6.9297	-6.9316
Gap	14.0157			14.0201
Taper				0.0044

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.0911	-6.9277	14.0188	0.0817

Additional Calculated Values

Bottom Pole #1 Z Value	979.792
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	-0.002
Minimum Effective Gap	13.990
Reference Block Gap	6.808

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 Nominal Taper = 0.000

Gap Reading = 14.0000 US Encoder = 14.0000 DS Encoder = 14.0000

22-JUN-2018
S/N = 012
D/S= 0001
Run= 12