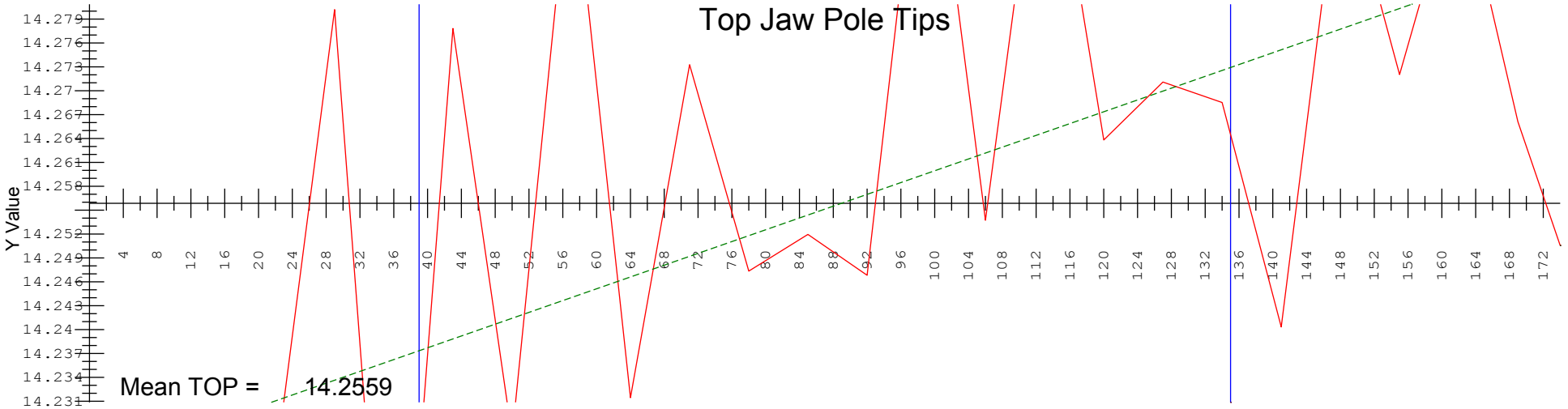
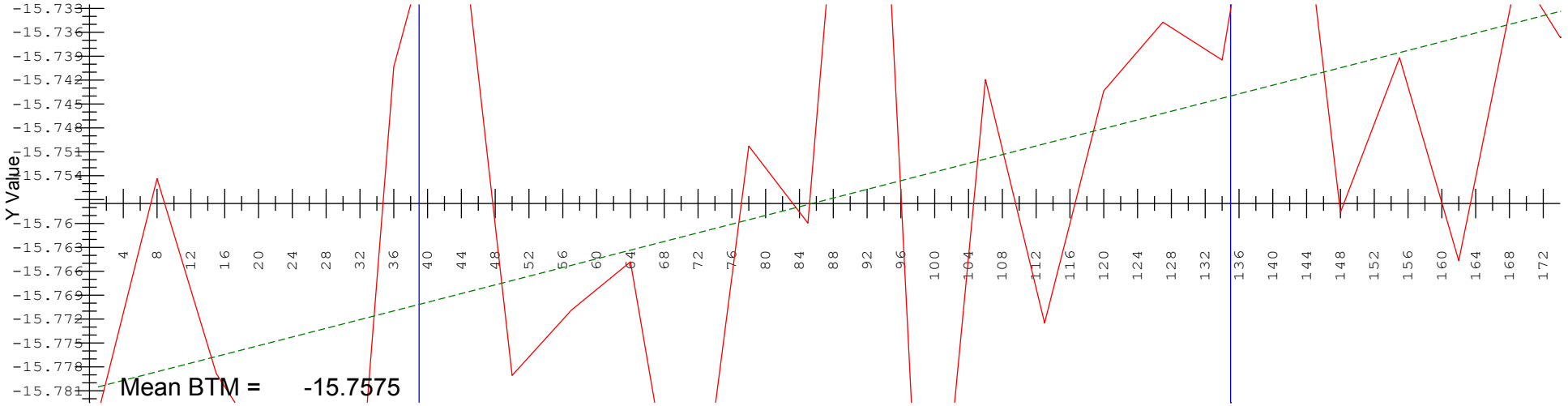


Pole Tip Num. ---->



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 = 30

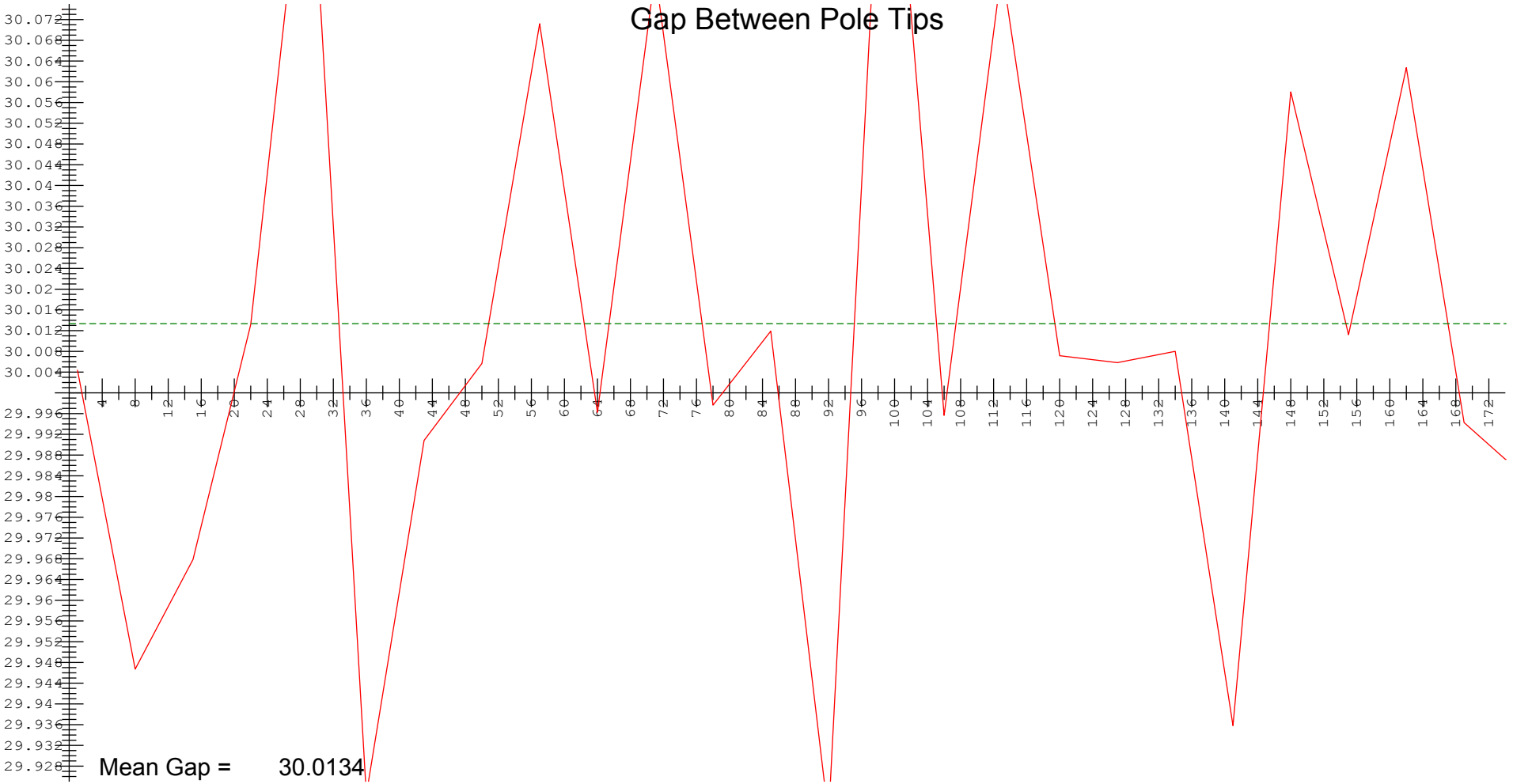
Gap Reading = 0.00000 US Encoder = 10.00000 DS Encoder = 0.00000

13-NOV-2017

S/N = 004

D/S= 0001

Run= 44



Step Between Measured Pole Tips = 7

Dimensions in mm

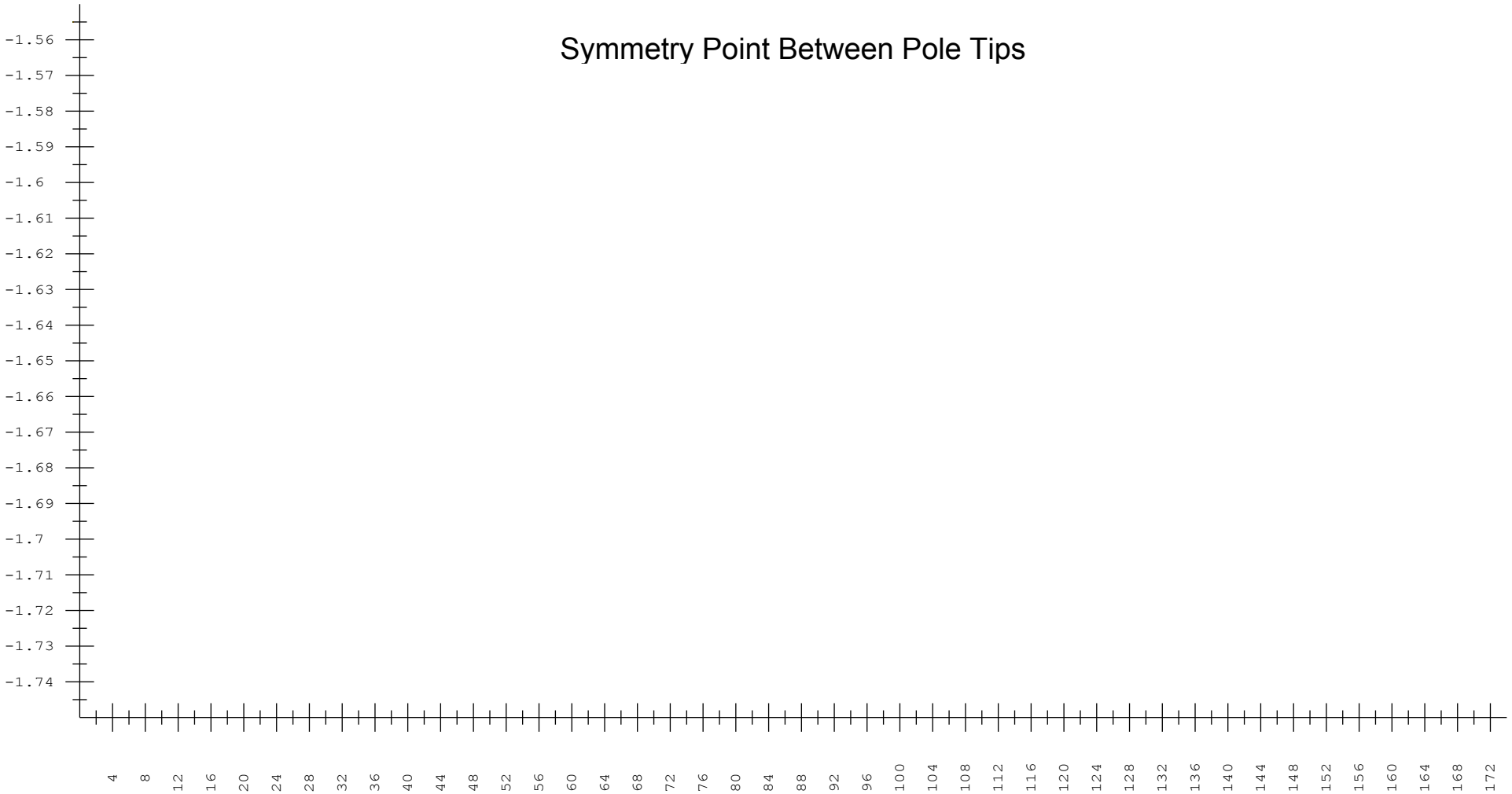
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 30

Gap Reading = 0.00000 US Encoder = 10.00000 DS Encoder = 0.00000

13-NOV-2017
S/N = 004
D/S= 0001
Run= 44



Mean Symmetry Value = -0.7508

Step Between Measured Pole Tips = 7

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 30

Gap Reading = 0.00000 US Encoder = 10.00000 DS Encoder = 0.00000

13-NOV-2017
S/N = 004
D/S= 0001
Run= 44

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	14.2233	14.2373	14.2729	14.2874
Bottom	-15.7805	-15.7702	-15.7440	-15.7334

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
14.2559	-15.7575	30.0134	-0.7508

Outside Pole Ends to Ref. Block on Kugler Bench

Points Measured with Gap at 10mm during Datuming Proceedure

Jaw	Pole #1	Pole #174	Average
Top			
Bottom			
Ave. of Jaws			

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 30

Gap Reading = 0.00000 US Encoder = 10.00000 DS Encoder = 0.00000

13-NOV-2017
S/N = 004
D/S= 0001
Run= 44