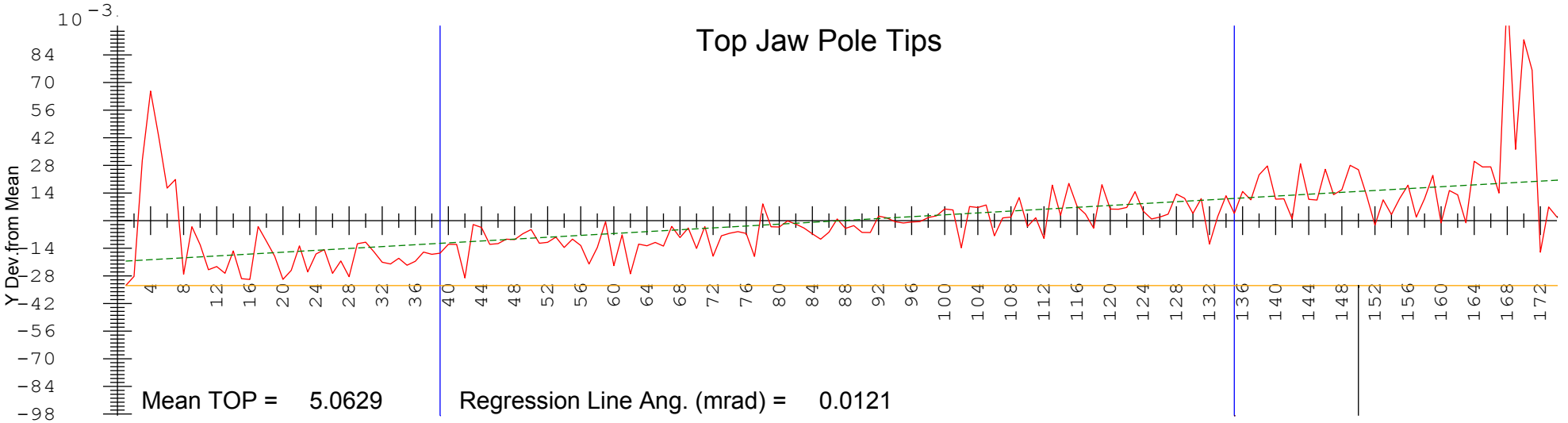
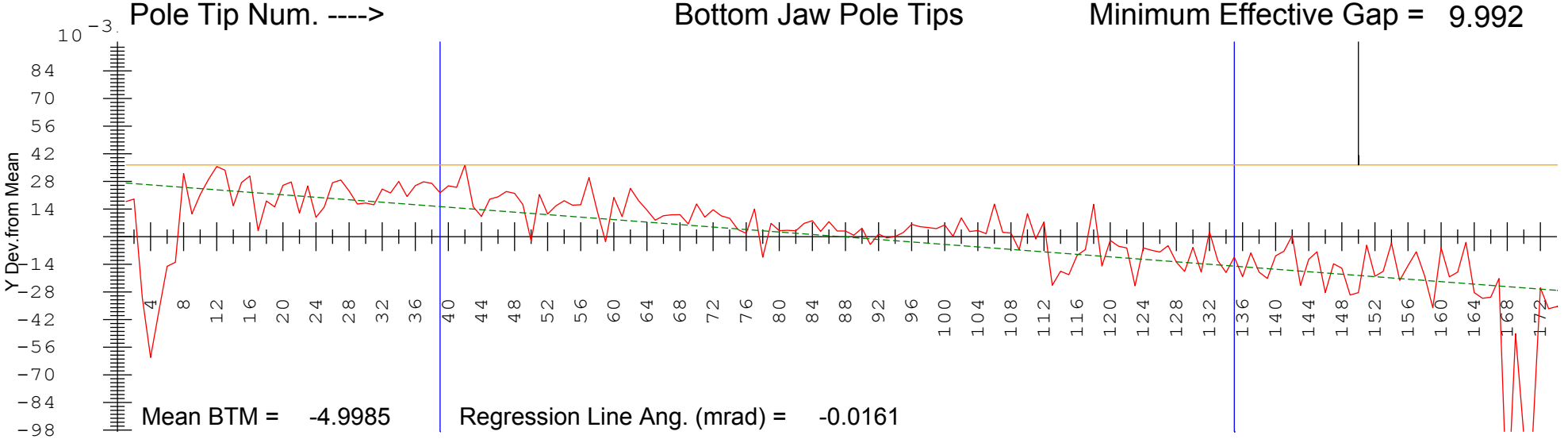



Pole Tip Num. ---->




Minimum Effective Gap = 9.992

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

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

Dimensions in mm

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# LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

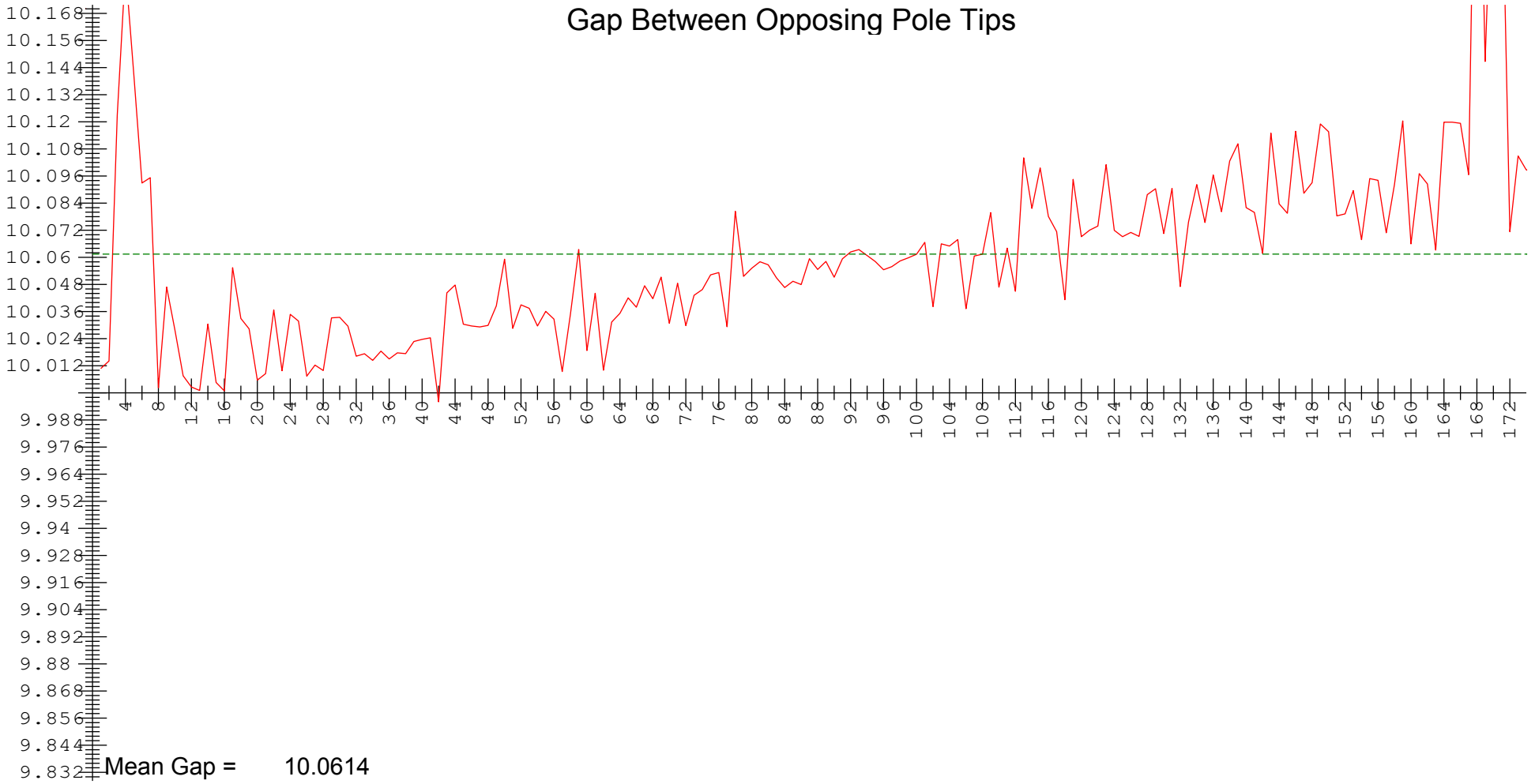
Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

28-FEB-2019

S/N = 020

D/S= 0001

Run= 8




Mean Gap = 10.0614

Step Between Measured Pole Tips = 1

Dimensions in mm

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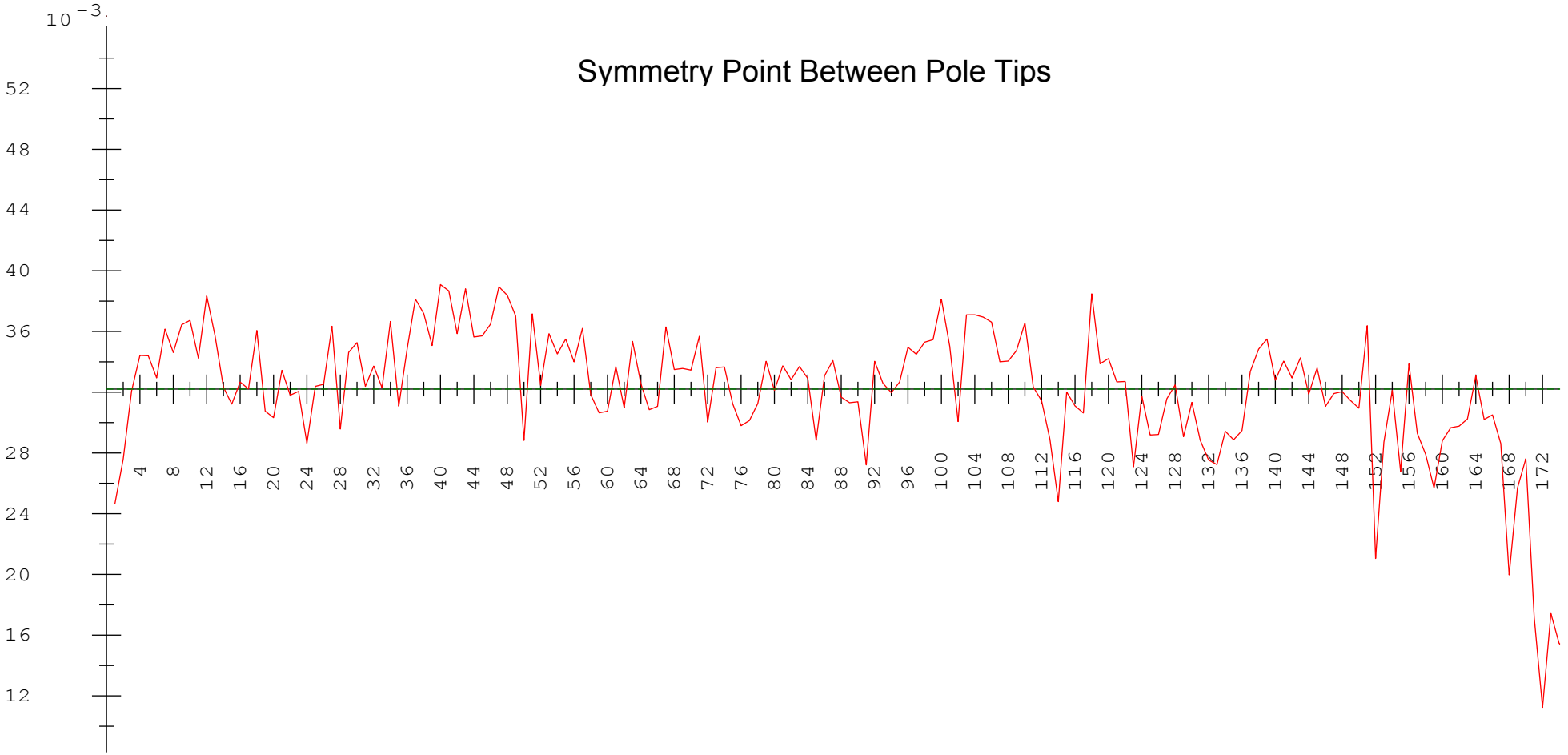
METROLOGY

# LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

28-FEB-2019
S/N = 020
D/S= 0001
Run= 8




Mean Symmetry Value = 0.0322

Step Between Measured Pole Tips = 1

Dimensions in mm

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METROLOGY

# LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

28-FEB-2019
S/N = 020
D/S= 0001
Run= 8

# 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 | 5.0424 | 5.0514 | 5.0742 | 5.0834 |
| Bottom | -4.9713 | -4.9833 | -5.0134 | -5.0257 |
| Gap | 10.0138 | | | 10.1091 |
| Taper | | | | 0.0954 |

# Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---|---|---|---|
| 5.0629 | -4.9985 | 10.0614 | 0.0322 |

# Additional Calculated Values

| | |
|---|---|
| Bottom Pole #1 Z Value | 980.524 |
| Top Jaw Pitch (mrad) | 0.012 |
| Bottom Jaw Pitch(mrad) | -0.016 |
| Minimum Effective Gap | 9.992 |
| Reference Block Gap | 6.809 |

Dimensions in mm

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METROLOGY

## LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

28-FEB-2019
S/N = 020
D/S= 0001
Run= 8