

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 7

Regression Line Through Points =

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 8

Gap Reading = 8.00050

US Encoder = 8.00050

DS Encoder = 8.00050

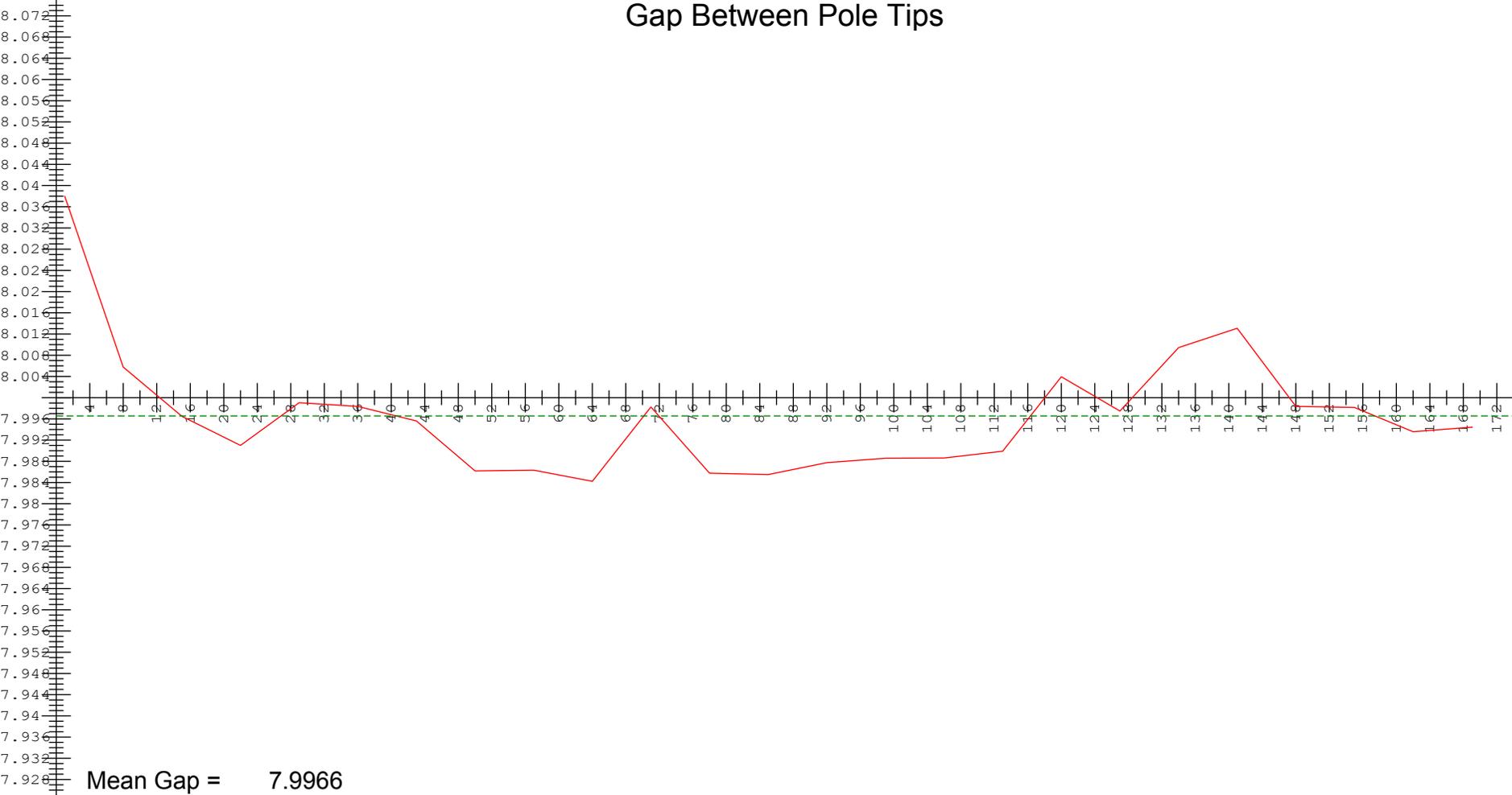
26-SEP-2017

S/N = 003

D/S = 0001

Run = 8

Gap Between Pole Tips

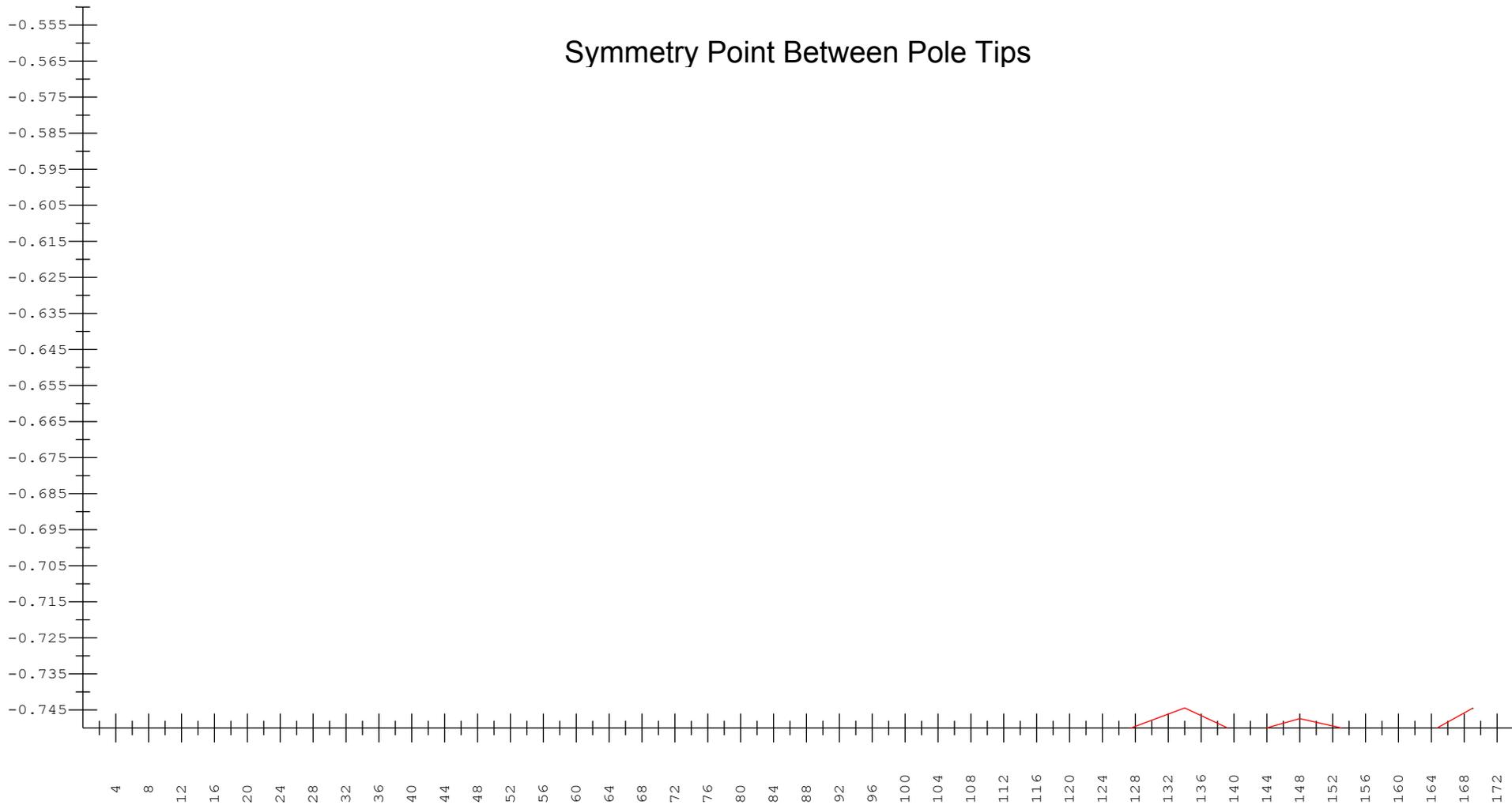


Step Between Measured Pole Tips = 7

Dimensions in mm

| | | |
|--|---|---|
|  <p>SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY</p> | <p align="center">LCLS II - SXR Undulator</p> <p align="center">Nominal Gap = 8</p> <p>Gap Reading = 8.00050 US Encoder = 8.00050 DS Encoder = 8.00050</p> | <p>26-SEP-2017 S/N = 003 D/S= 0001 Run= 8</p> |
|--|---|---|

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.7539

Step Between Measured Pole Tips = 7

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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 | 3.2410 | 3.2425 | 3.2463 | 3.2479 |
| Bottom | -4.7581 | -4.7554 | -4.7487 | -4.7460 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 3.2444 | -4.7522 | 7.9966 | -0.7539 |

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