

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 = 40

Gap Reading = 40.00000 US Encoder = 40.00000 DS Encoder = 40.00000

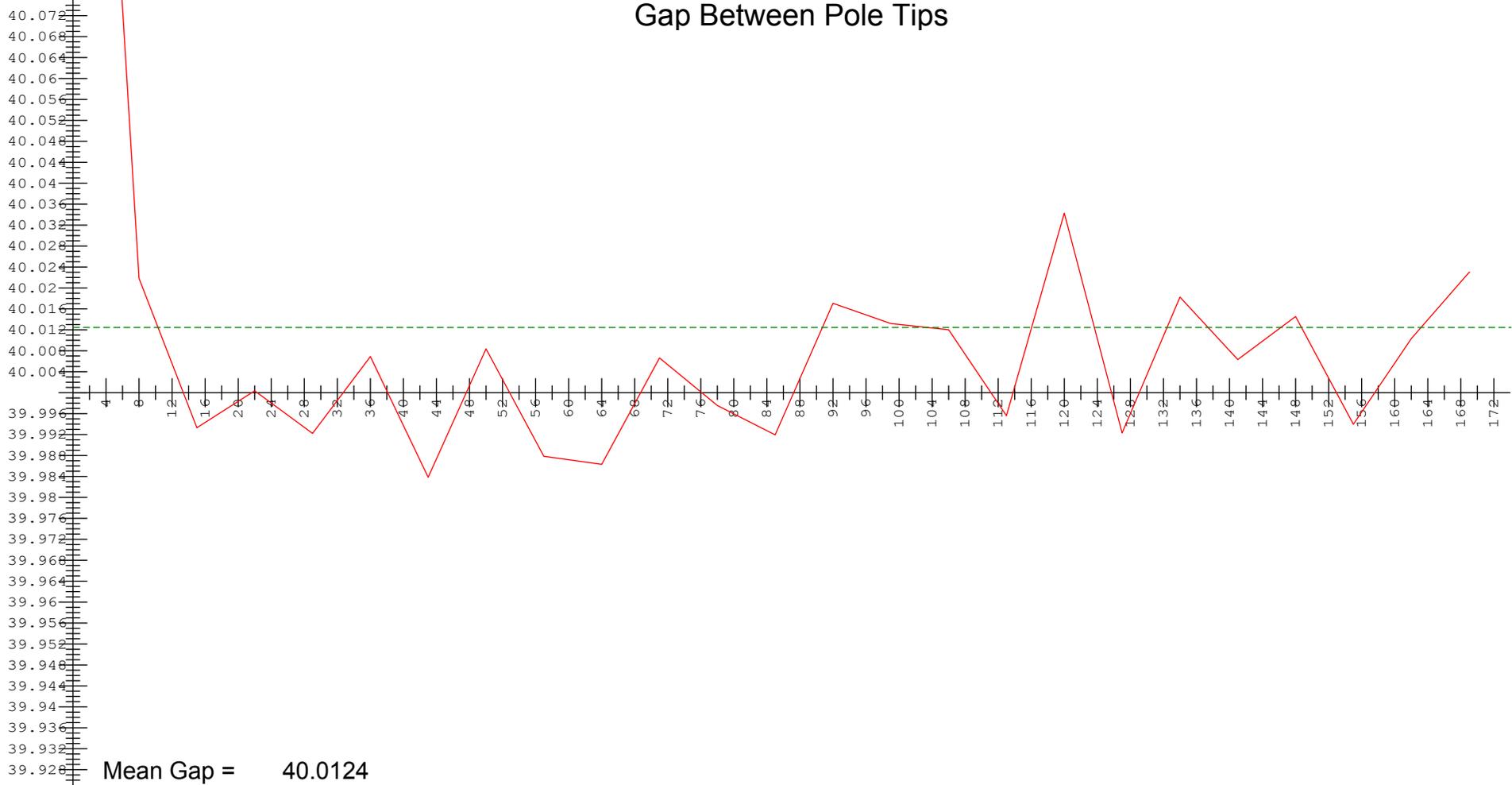
29-SEP-2017

S/N = 003

D/S = 0001

Run = 21

### Gap Between Pole Tips

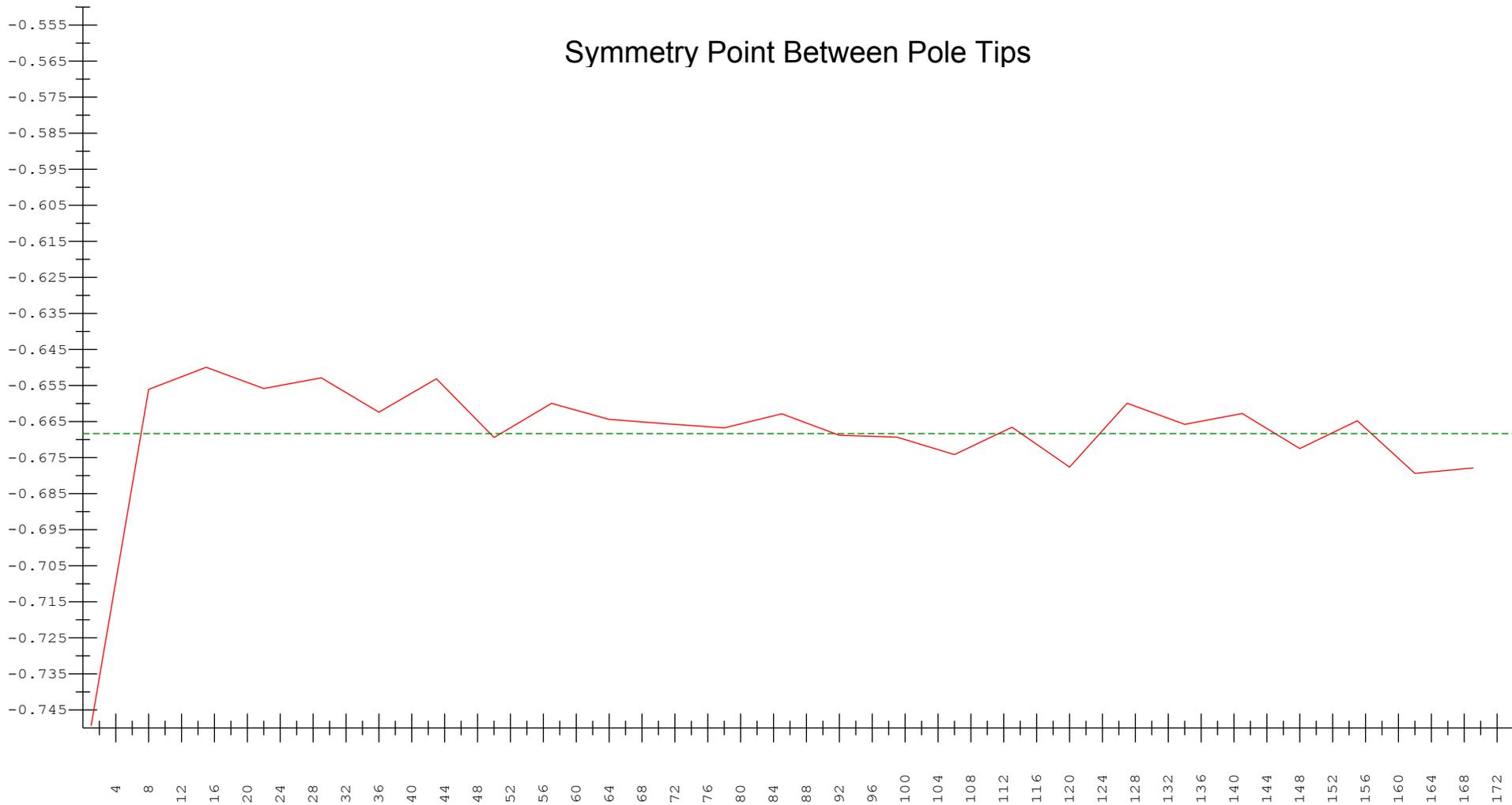


Step Between Measured Pole Tips = 7

Dimensions in mm

|   |   |   |
|---|---|---|
|  | <p><b>LCLS II - SXR Undulator</b></p> <p>Nominal Gap = 40</p> <p>Gap Reading = 40.00000    US Encoder = 40.00000    DS Encoder = 40.00000</p> | <p>29-SEP-2017</p> <p>S/N = 003</p> <p>D/S= 0001</p> <p>Run= 21</p> |
|---|---|---|

### Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.6683

Step Between Measured Pole Tips = 7

Dimensions in mm



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## Top and Bottom Jaw Regression Line Intersect Points

| Jaw    | First Pole<br>(Pole 1) | US Actuator<br>(Pole 39) | DS Actuator<br>(Pole 135) | Last Pole<br>(Pole 174) |
|--------|------------------------|--------------------------|---------------------------|-------------------------|
| Top    | 19.3450                | 19.3418                  | 19.3337                   | 19.3304                 |
| Bottom | -20.6826               | -20.6790                 | -20.6697                  | -20.6660                |

## Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 19.3379       | -20.6745       | 40.0124    | -0.6683         |

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