

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 11

Regression Line Through Points = - - - - -

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 7.4 Nominal Taper = 0.000
 Gap Reading = 7.4000 US Encoder = 7.4000 DS Encoder = 7.3999

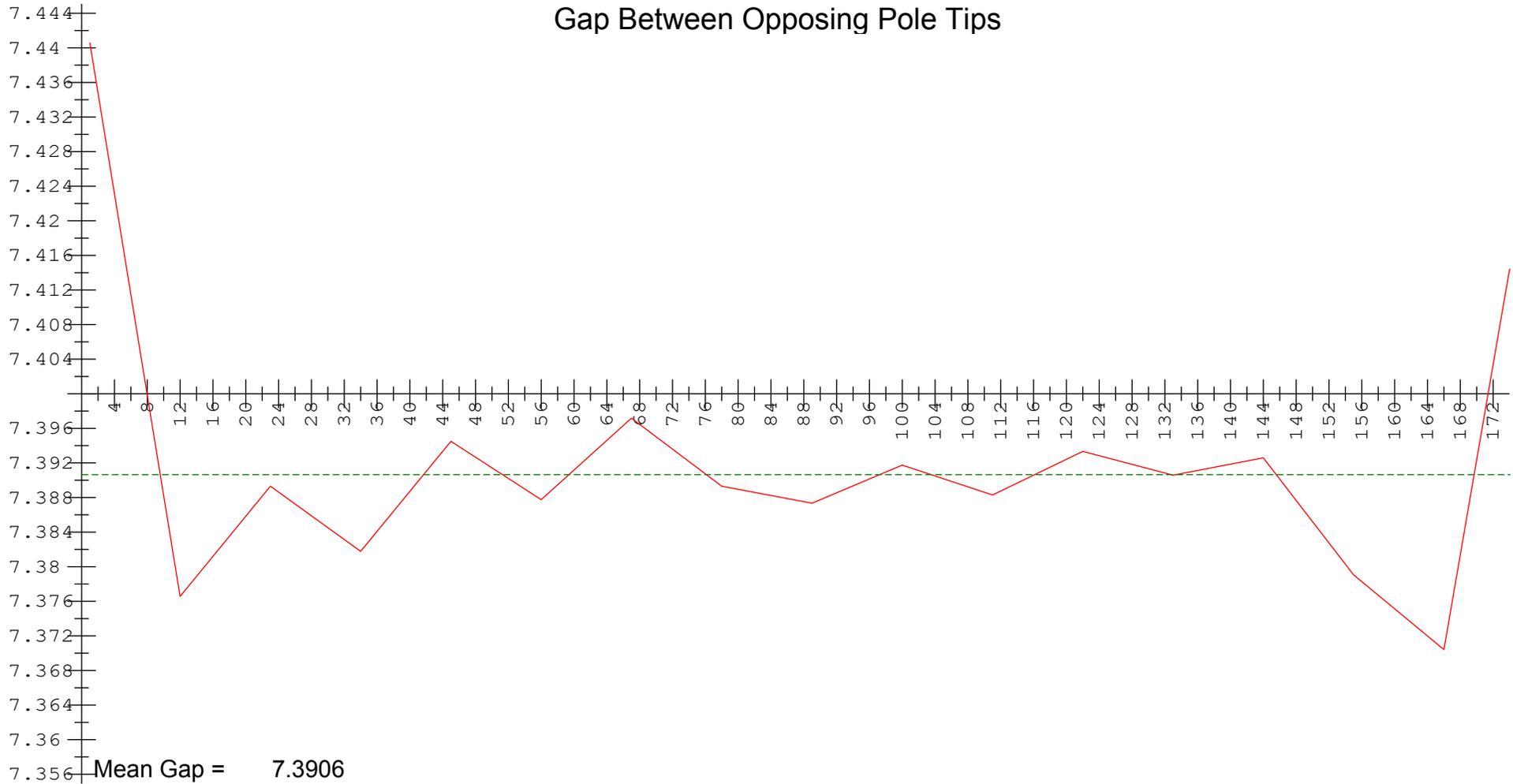
07-JUN-2018

S/N = 011

D/S = 0001

Run = 3

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 11

Dimensions in mm

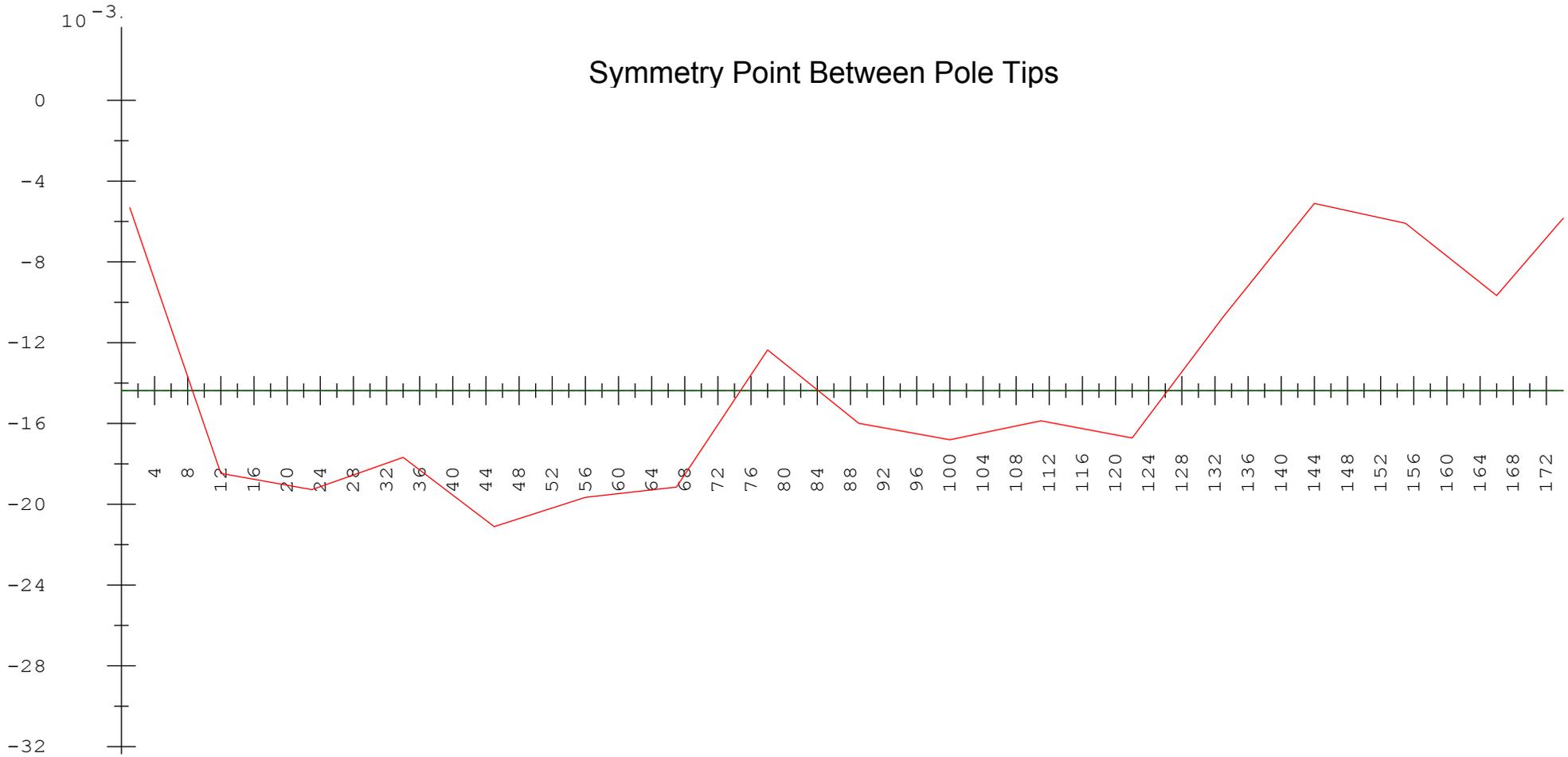


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Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0144

Step Between Measured Pole Tips = 11

Dimensions in mm



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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 | 3.6800 | 3.6809 | 3.6833 | 3.6842 |
| Bottom | -3.7176 | -3.7143 | -3.7058 | -3.7024 |
| Gap | 7.3976 | | | 7.3867 |
| Taper | | | | -0.0109 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 3.6810 | -3.7097 | 7.3906 | -0.0144 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 979.744 |
| Top Jaw Pitch (mrad) | 0.001 |
| Bottom Jaw Pitch(mrad) | 0.005 |
| Minimum Effective Gap | 7.365 |
| Reference Block Gap | 6.806 |

Dimensions in mm



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