Top Jaw Pole Tips

Y Value

Pole Tip Num. ---->

Mean TOP =   2.9437

Bottom Jaw Pole Tips

Y Value

Mean BTM =   -4.4496

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips =   7

Regression Line Through Points = ‑ ‑ ‑ ‑ ‑

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 7.4

Gap Reading = 7.40000   US Encoder = 7.40000   DS Encoder = 7.39995

26-SEP-2017

S/N =   003

D/S=   0001
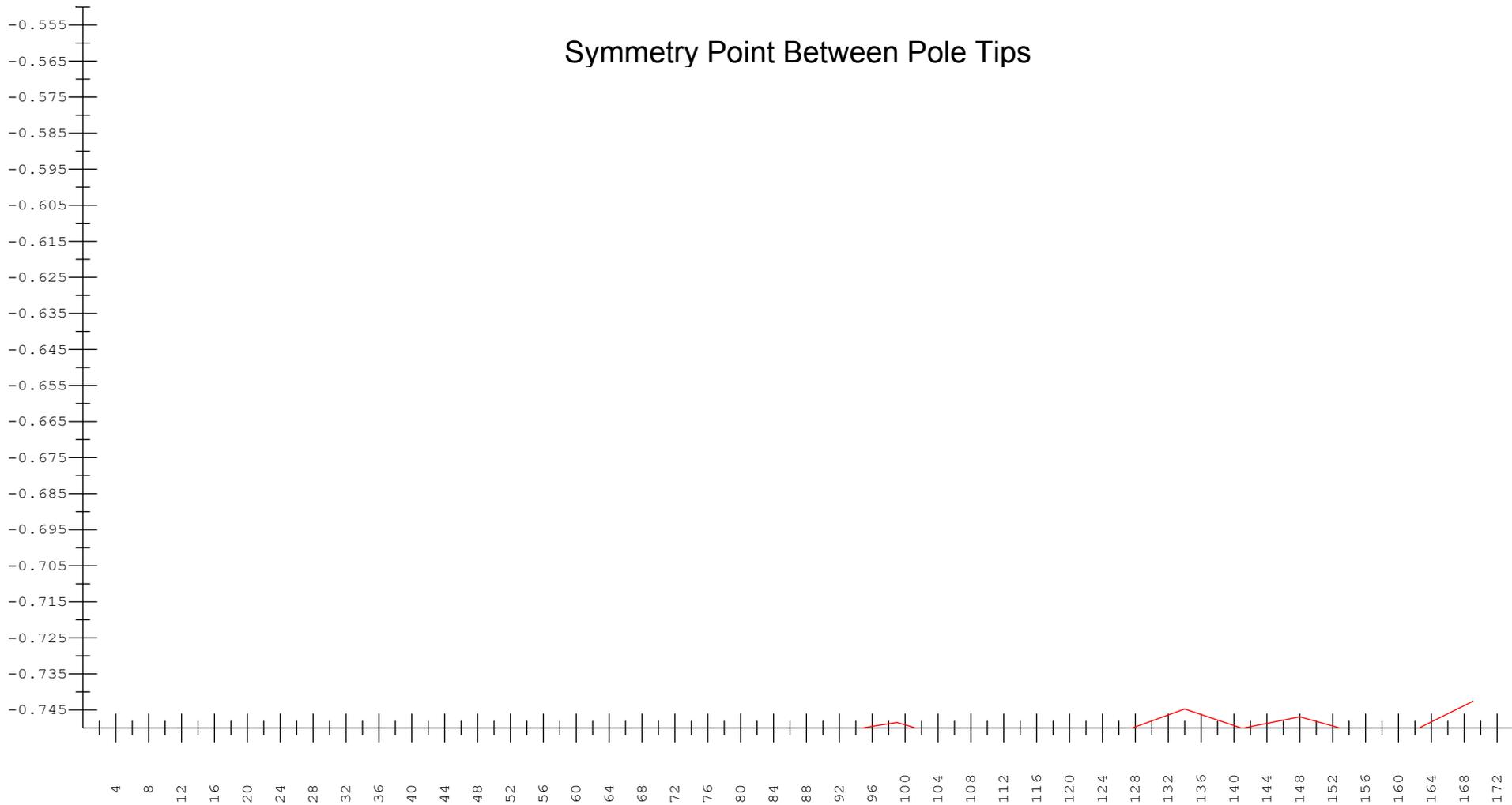
Run=   7

Gap Between Pole Tips

Mean Gap =   7.3932
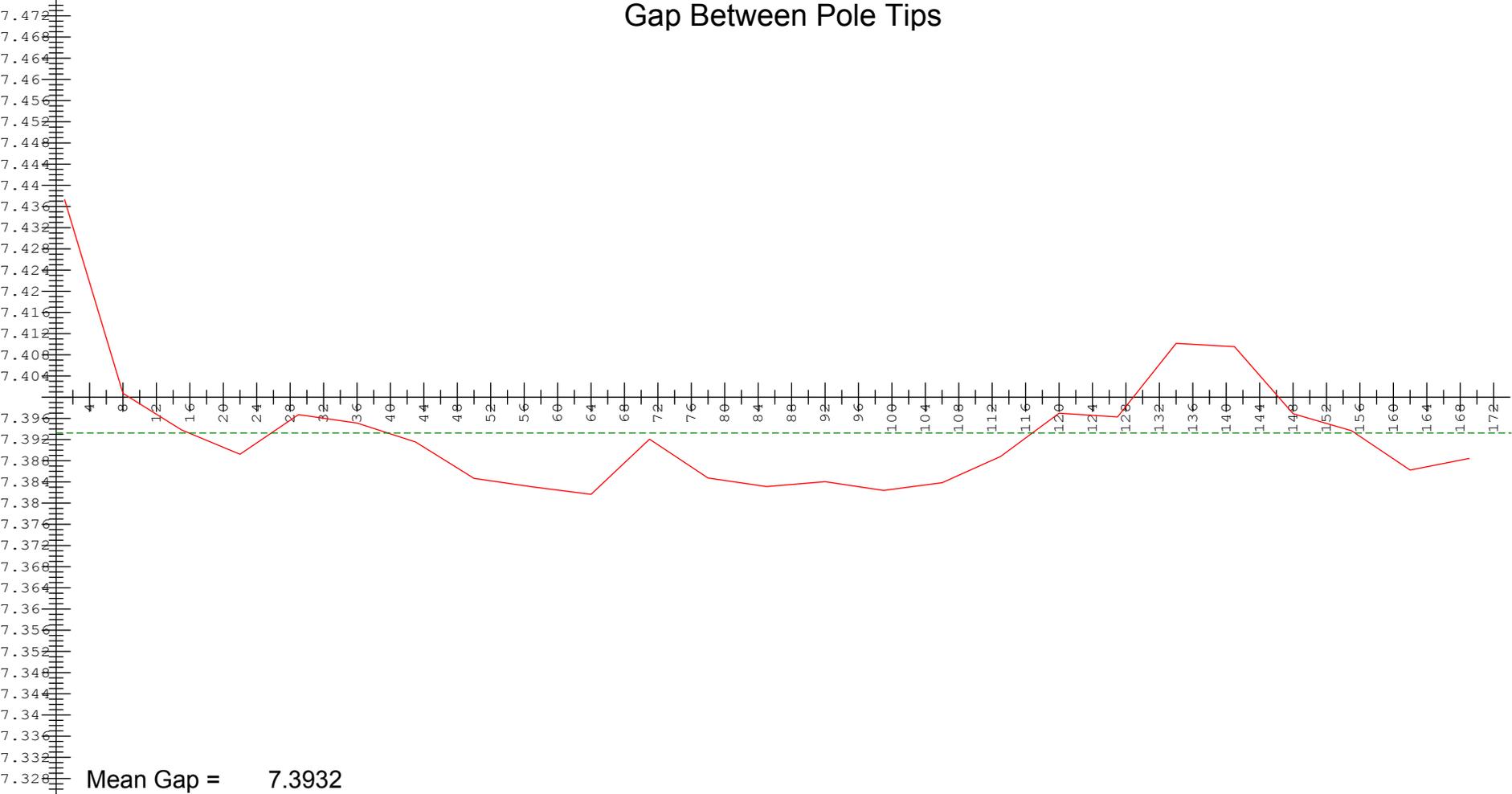
Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator		26-SEP-2017
Nominal Gap = 7.4		S/N = 003
		D/S= 0001
Gap Reading = 7.40000 US Encoder = 7.40000 DS Encoder = 7.39995		Run= 7

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Symmetry Point Between Pole Tips

Mean Symmetry Value =   -0.7530

Step Between Measured Pole Tips =   7

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 7.4
Gap Reading = 7.40000   US Encoder = 7.40000   DS Encoder = 7.39995

26-SEP-2017
S/N =   003
D/S=   0001
Run=   7

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	2.9406	2.9420	2.9455	2.9469
Bottom	-4.4561	-4.4532	-4.4457	-4.4427

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
2.9437	-4.4496	7.3932	-0.7530

Step Between Measured Pole Tips = 7

Dimensions in mm