SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

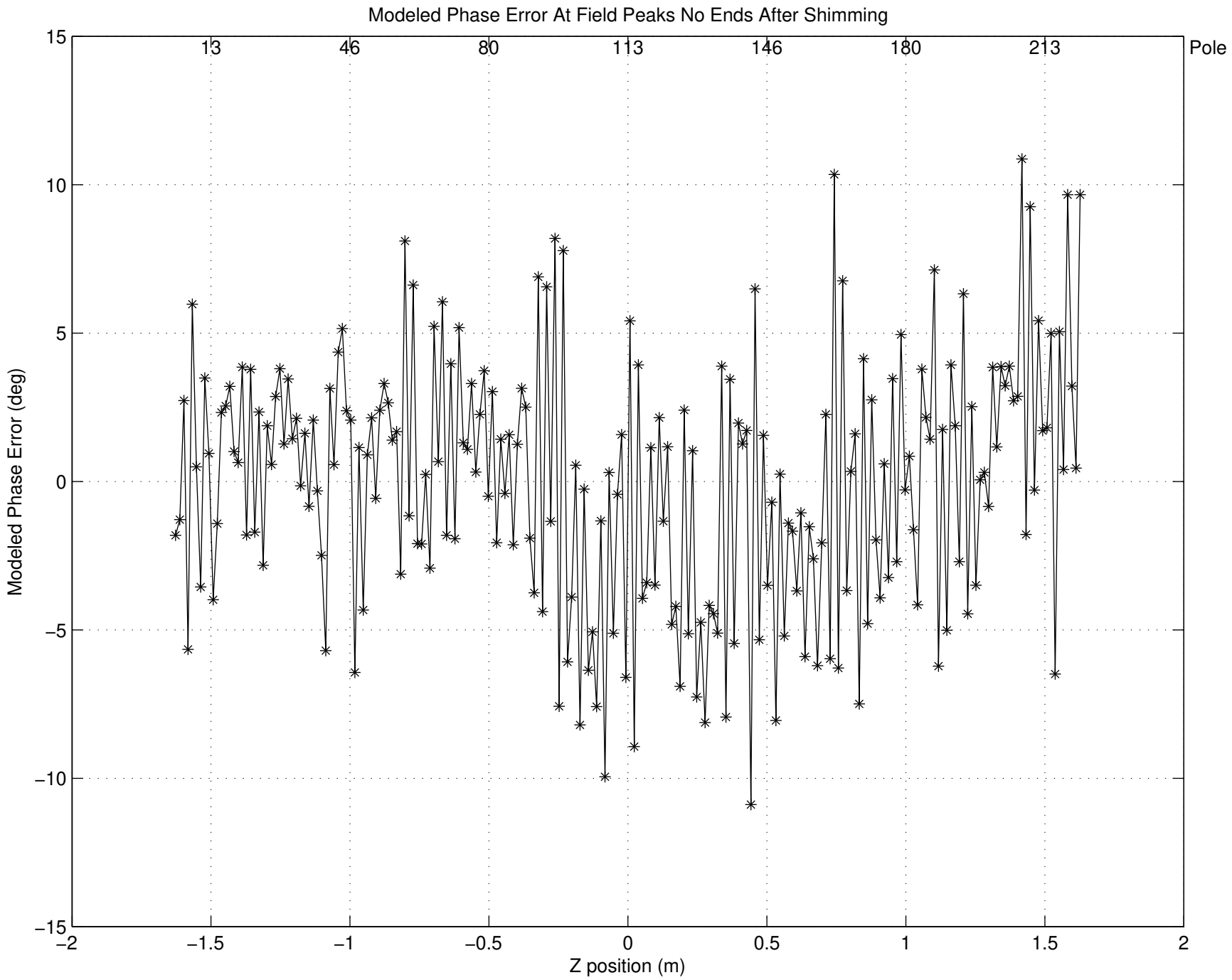
SLAC Magnetic Measurements
Date: 04−10−2012
Time: 11:39:57

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: at min K; second gap iteration
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0005\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−32:−−> T1 19.95 −−> T2 19.91 −−> T5 19.88 −−> T3 19.91 −−> Air 19.95 −−> T4 19.90

Axes position (m) X:0.030145 Y:0.000246
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000979 V
Vy_0i = −0.003682 V



Phase Error: Ave = −0.000000 deg, RMS = 4.202787 deg