SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

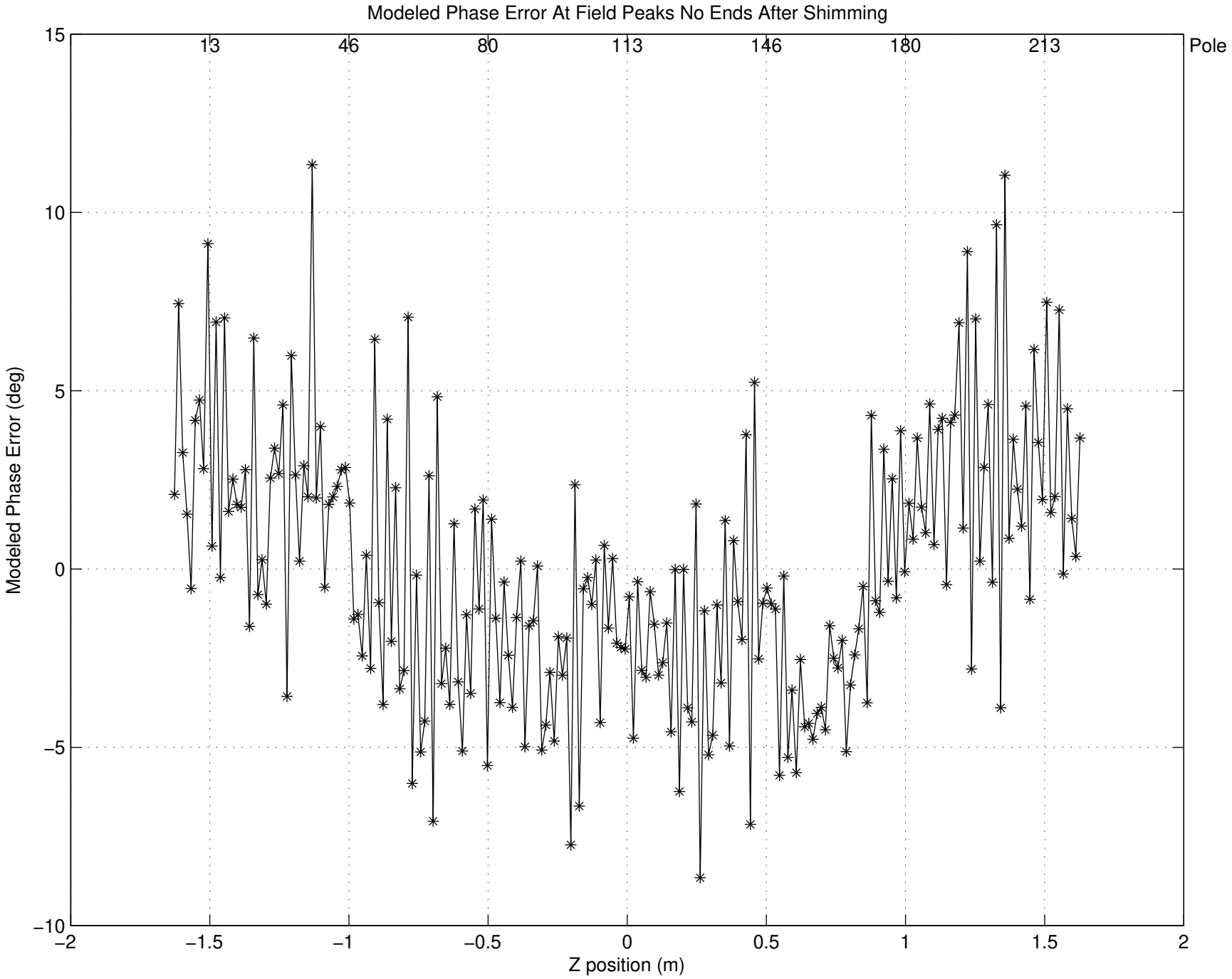
SLAC Magnetic Measurements
Date: 05−01−2012
Time: 10:38:07

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−31
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 17
Measurement Type: Z Scans
Operator: YL
Comment: check after gluing shims; fifth gap adjustment
Session first run: 17
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−31\DATASET0006\Fine Tuning\Z Scans\Run 017\bscanz.dat

Temperature (C)
L143−112000−31:−−> T1 19.98 −−> T2 19.98 −−> T5 19.96 −−> T3 19.98 −−> Air 19.96 −−> T4 19.99

Axes position (m) X:0.029907 Y:0.000290
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001037 V
Vy_0i = −0.003167 V



Phase Error: Ave = −0.000000 deg, RMS = 3.731091 deg