SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

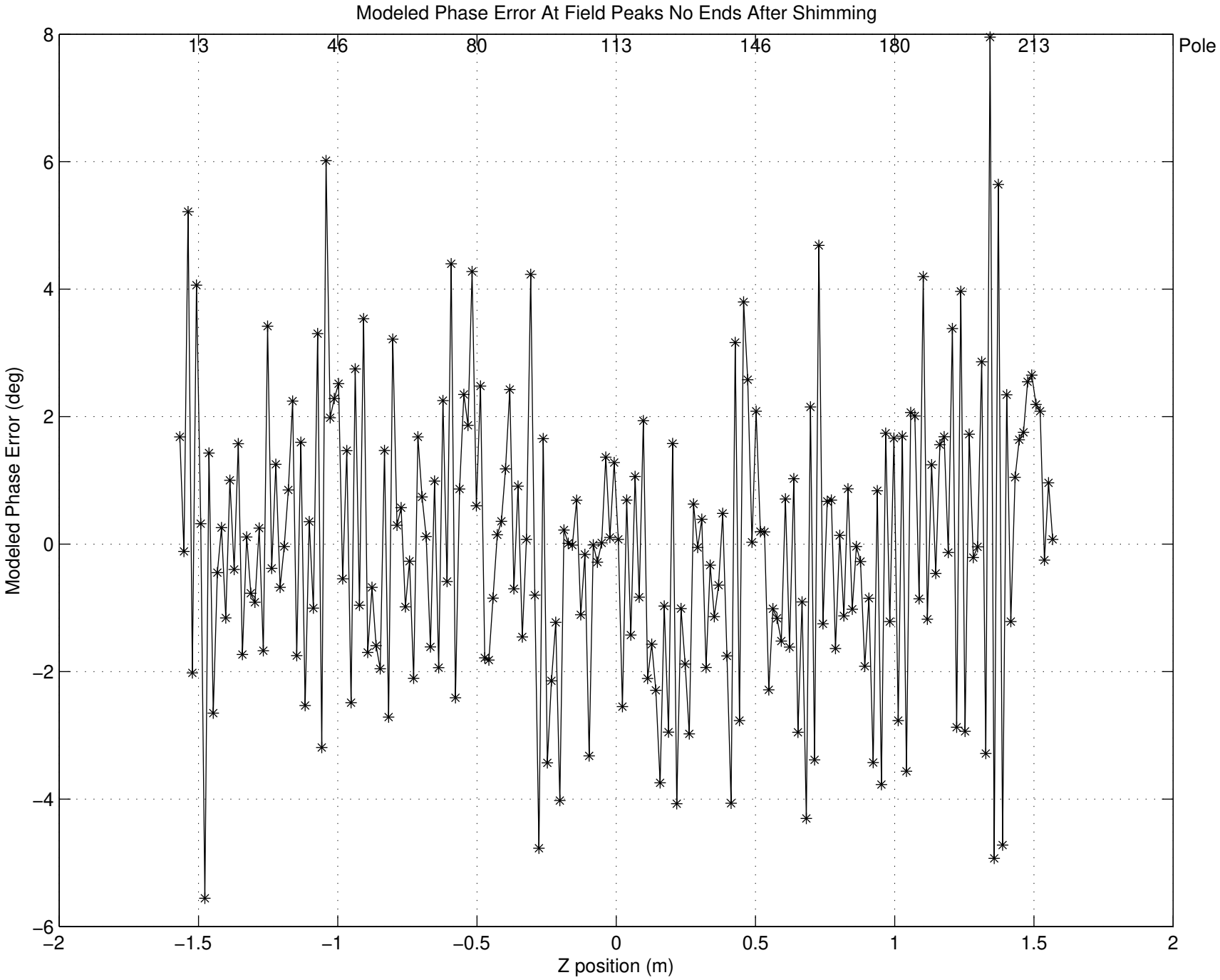
SLAC Magnetic Measurements
Date: 10−19−2010
Time: 09:12:18

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−02
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final scan
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−02\DATASET0003\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−02:−−> T5 19.99 −−> T2 20.01 −−> T1 20.03 −−> T3 20.02 −−> Air 20.06 −−> T4 20.01

Axes position (m) X:0.039617 Y:0.000309
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001255 V
$Vy_0i$ = −0.003005 V




Phase Error: Ave = 0.000000 deg, RMS = 2.235858 deg