SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

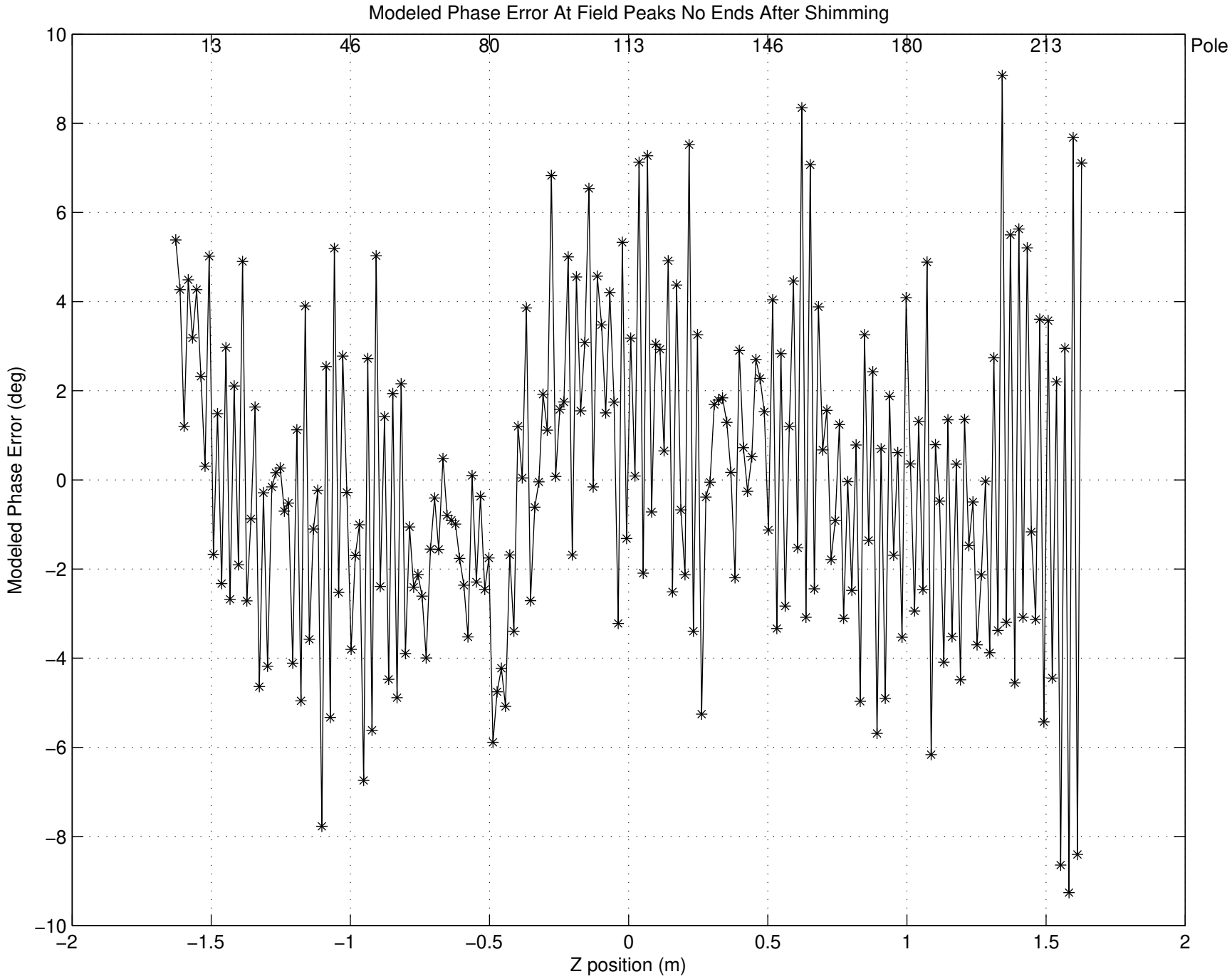
SLAC Magnetic Measurements
Date: 02−27−2014
Time: 15:36:41

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−09
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−09\DATASET0003\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−09:−−> T1 20.04 −−> T2 20.03 −−> T5 20.02 −−> T3 20.03 −−> Air 19.96 −−> T4 20.01

Axes position (m) X:0.030004 Y:0.000221
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001161 V
Vy_0i = −0.003042 V



Phase Error: Ave = 0.000000 deg, RMS = 3.513615 deg