SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

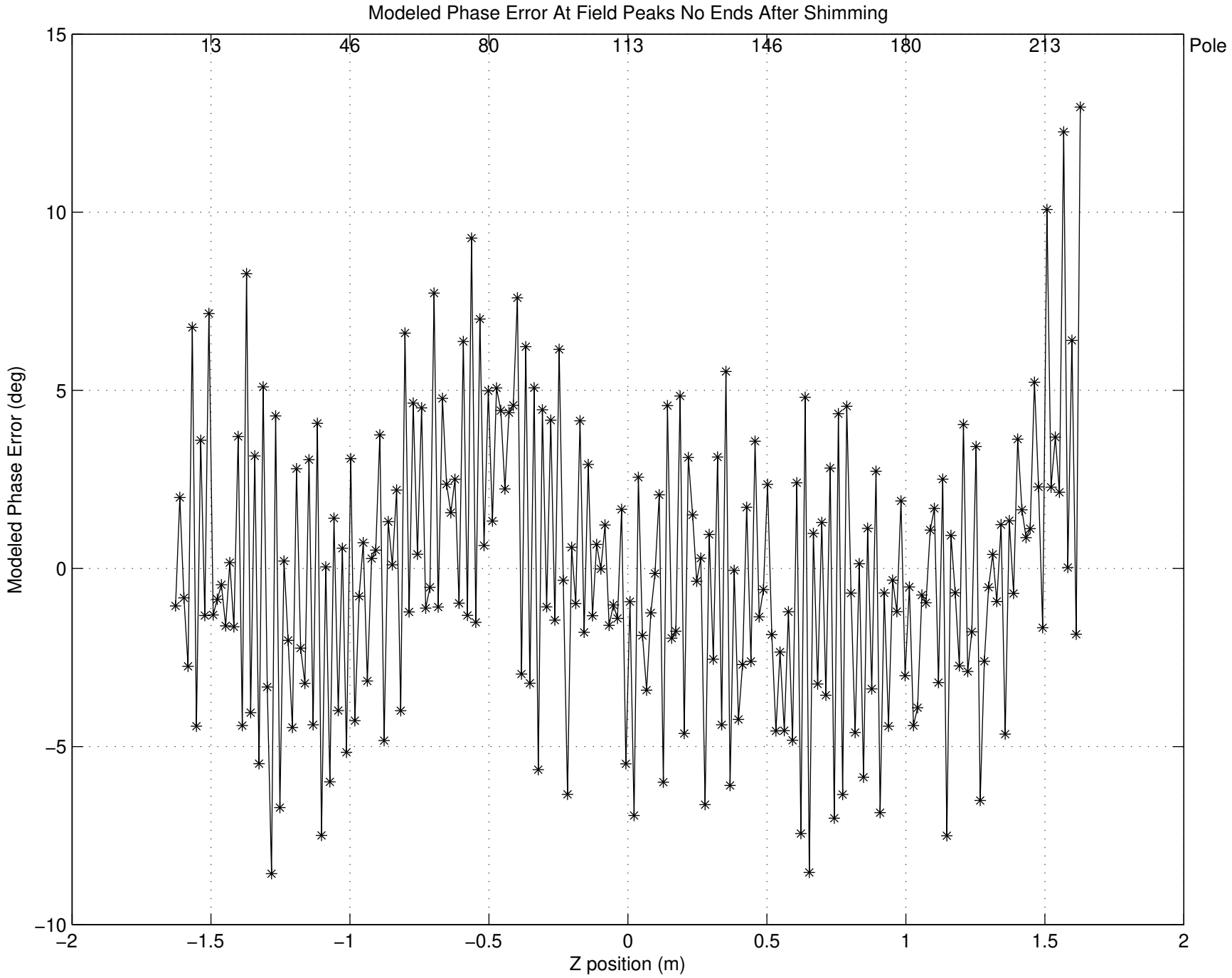
SLAC Magnetic Measurements
Date: 05−05−2011
Time: 14:15:46

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−37
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 2
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−37\DATASET0005\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−37:−−> T1 19.82 −−> T2 19.80 −−> T5 19.84 −−> T3 19.80 −−> Air 20.11 −−> T4 19.81

Axes position (m) X:0.029701 Y:0.000316
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001095 V
Vy_0i = −0.003534 V



Phase Error: Ave = 0.000000 deg, RMS = 3.954866 deg