SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

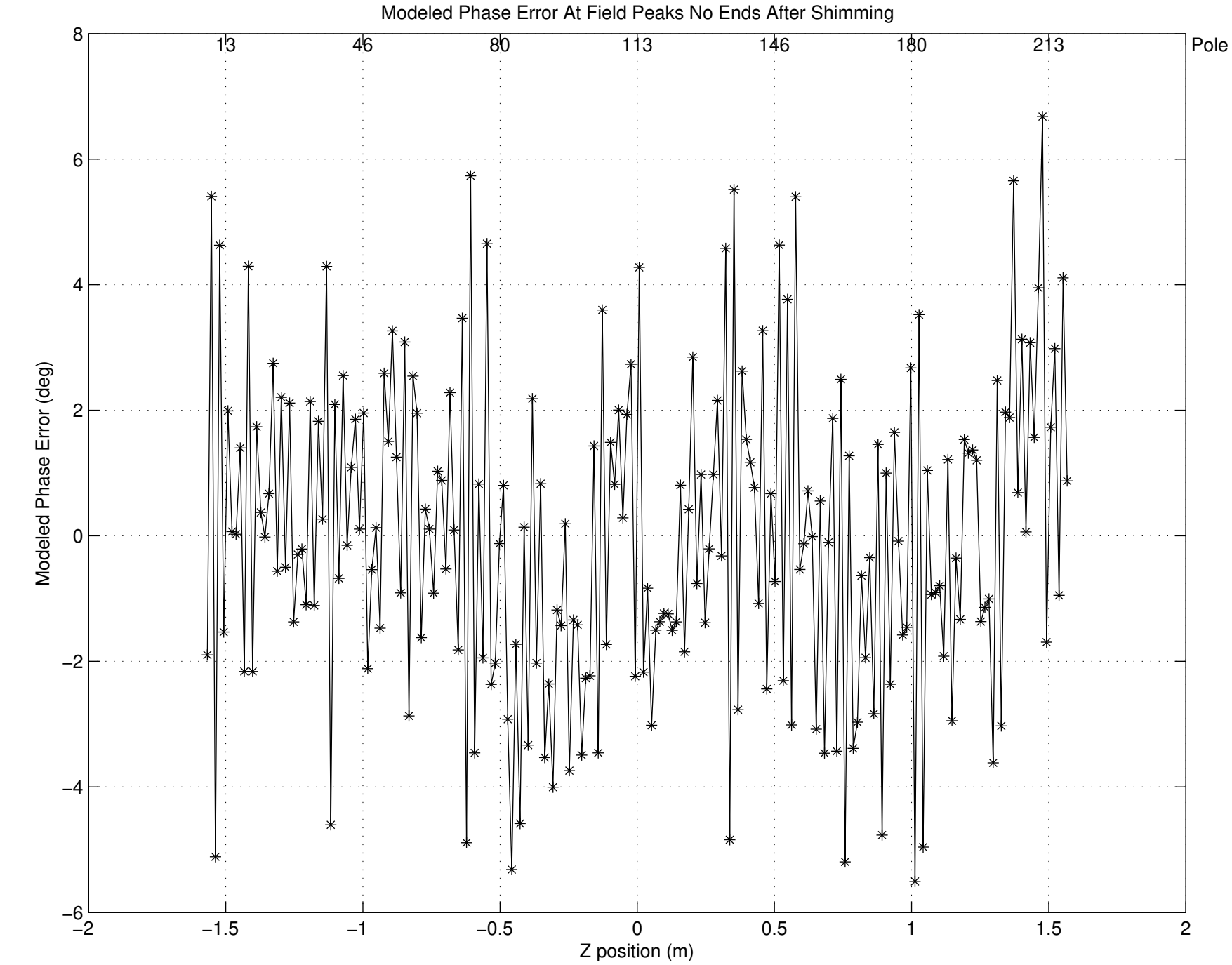
SLAC Magnetic Measurements
Date: 12−02−2010
Time: 11:43:37

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−14
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\L143−112000−14\DATASET0003\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−14:−−> T5 19.98 −−> T2 20.00 −−> T1 20.03 −−> T3 20.00 −−> Air 20.08 −−> T4 19.99

Axes position (m) X:0.039626 Y:0.000280
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001221 V
Vy_0i = −0.003449 V



Phase Error: Ave = 0.000000 deg, RMS = 2.494990 deg