SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

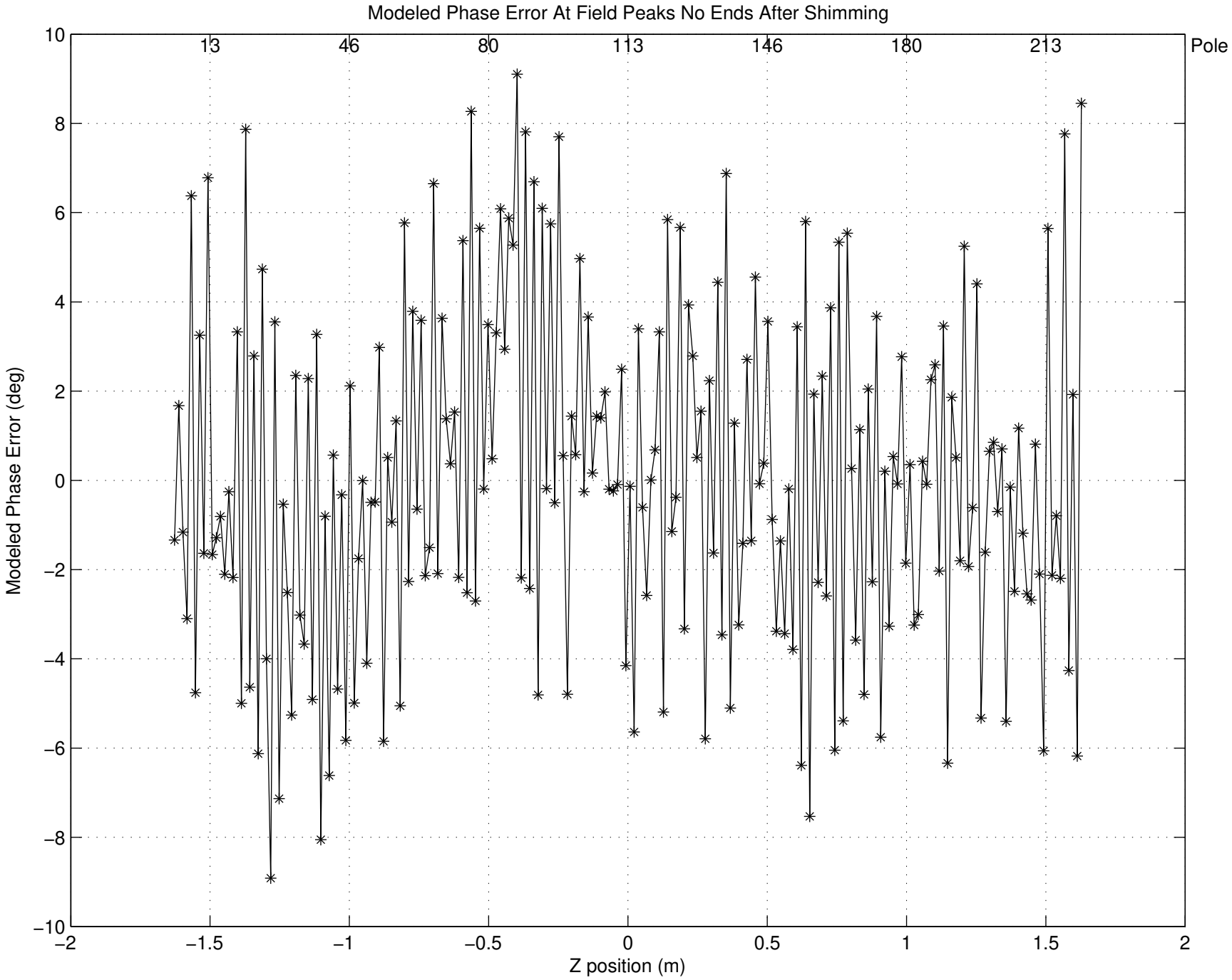
SLAC Magnetic Measurements
Date: 06−01−2011
Time: 09:33:29

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−37
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; re−measurement
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−37\DATASET0005\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−37:−−> T1 20.01 −−> T2 19.98 −−> T5 19.95 −−> T3 19.98 −−> Air 19.94 −−> T4 19.96

Axes position (m) X:0.030116 Y:0.000236
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001051 V
Vy_0i = −0.003451 V



Phase Error: Ave = 0.000000 deg, RMS = 3.789356 deg