SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

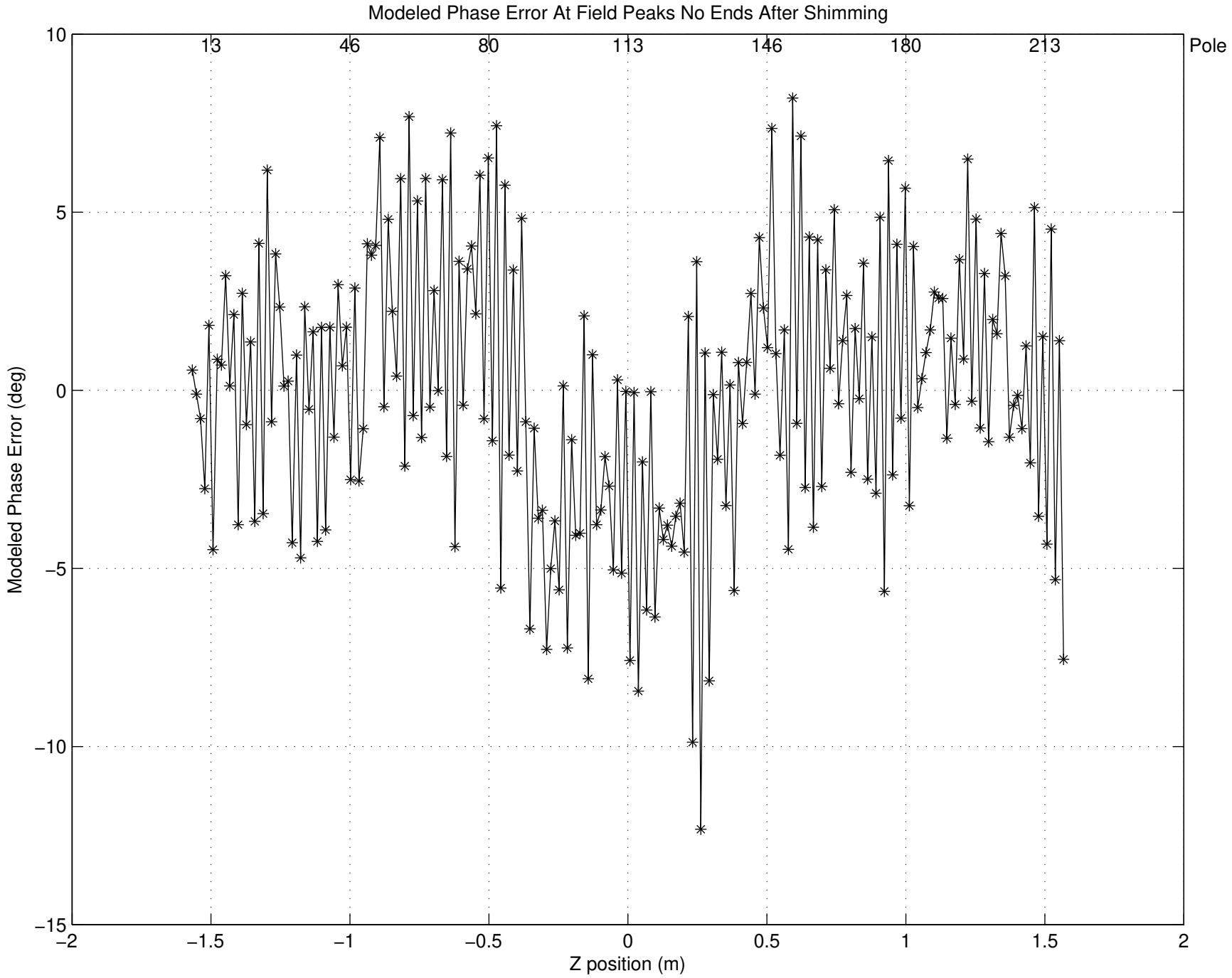
SLAC Magnetic Measurements
Date: 09−27−2010
Time: 09:37:43

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 32
Tuning Stage: Fine Tuning
Run Number: 2
Measurement Type: Z Scans
Operator: YL
Comment: find Y at minimum K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0032\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−13:−−> T5 20.02 −−> T2 20.04 −−> T1 20.05 −−> T3 20.04 −−> Air 20.14 −−> T4 20.04

Axes position (m) X:0.038410 Y:0.000352
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001284 V
Vy_0i = −0.002997 V



Phase Error: Ave = 0.000000 deg, RMS = 3.811600 deg