SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

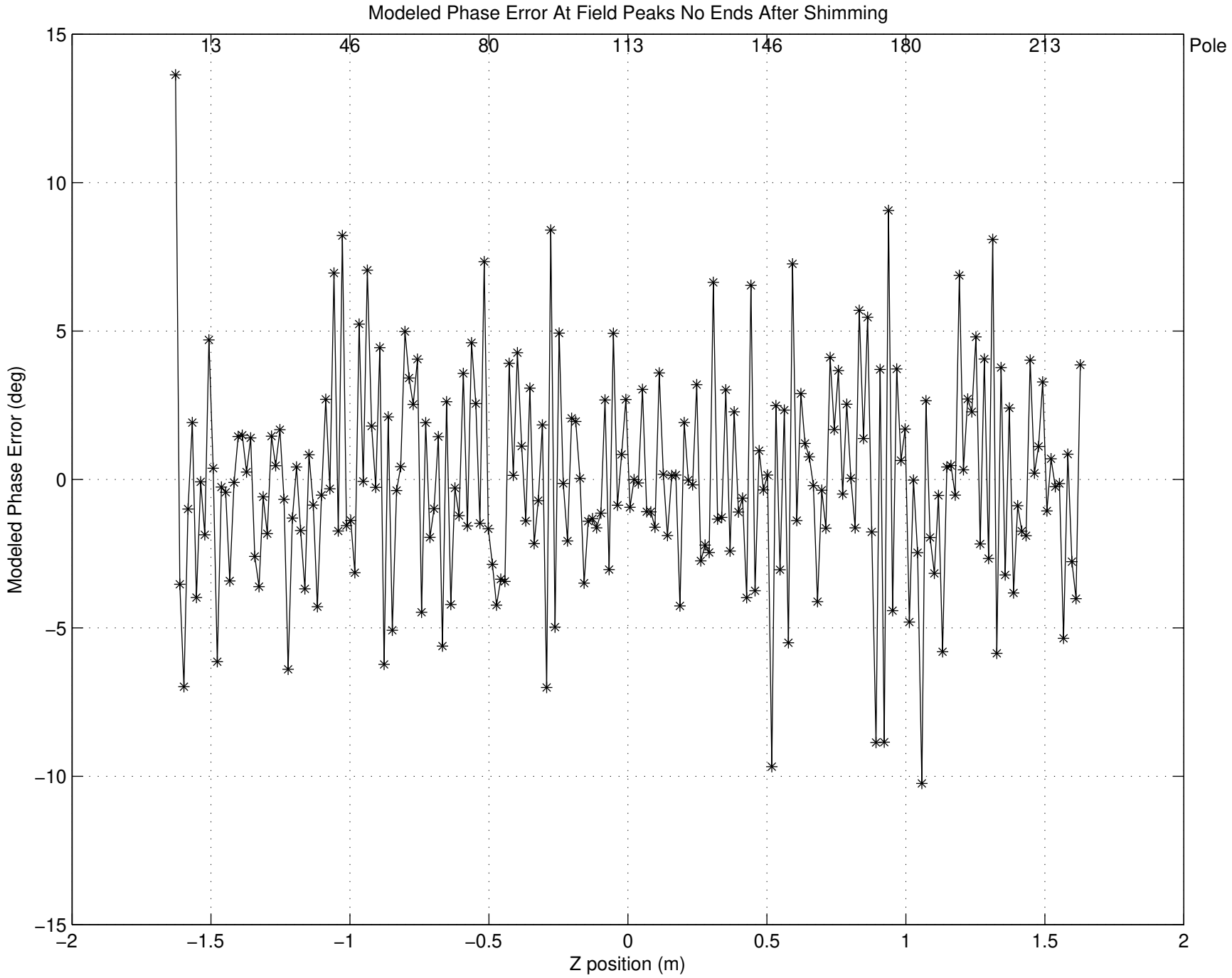
SLAC Magnetic Measurements
Date: 10−16−2009
Time: 10:48:19

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−40
DATASET Number: 1
Tuning Stage: Fine Tuning
Run Number: 16
Measurement Type: Z Scans
Operator: YL
Comment: check before final scans
Session first run: 14
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−40\DATASET0001\Fine Tuning\Z Scans\Run 016\bscanz.dat

Temperature (C)
L143−112000−40:−−> T5 20.01 −−> T2 20.02 −−> T1 20.03 −−> T3 20.01 −−> Air 20.04 −−> T4 20.01

Axes position (m) X:0.026616 Y:0.000236
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001463 V
Vy_0i = −0.001657 V



Phase Error: Ave = −0.000000 deg, RMS = 3.576689 deg