SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

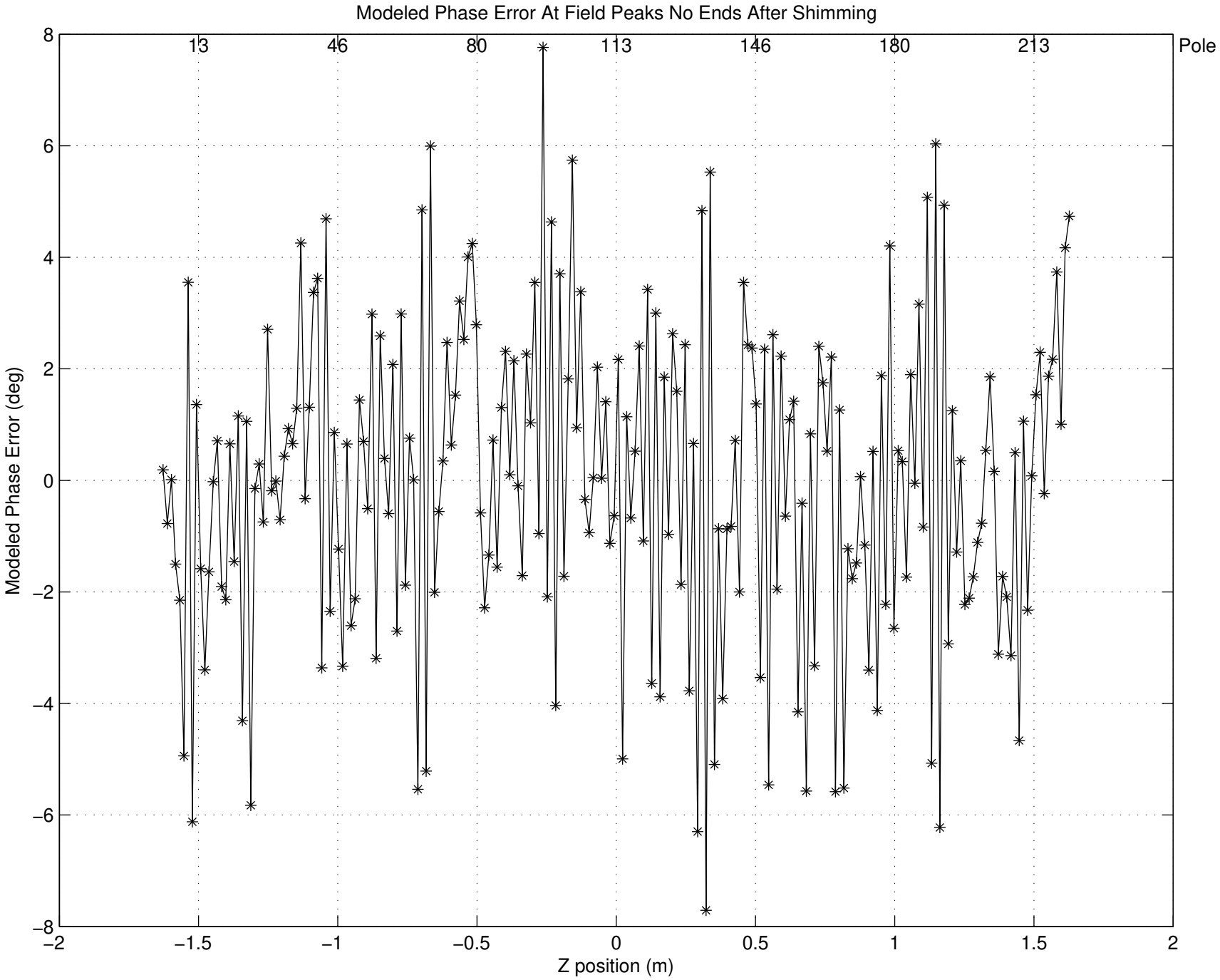
SLAC Magnetic Measurements
Date: 02−10−2014
Time: 14:30:53

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−25
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 17
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; fiducialization check
Session first run: 16
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−25\DATASET0003\Fine Tuning\Z Scans\Run 017\bscanz.dat

Temperature (C)
L143−112000−25:−−> T1 20.11 −−> T2 20.10 −−> T5 20.07 −−> T3 20.10 −−> Air 20.02 −−> T4 20.10

Axes position (m) X:0.030051 Y:0.000175
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001248 V
Vy_0i = −0.003035 V



Phase Error: Ave = −0.000000 deg, RMS = 2.801001 deg