SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

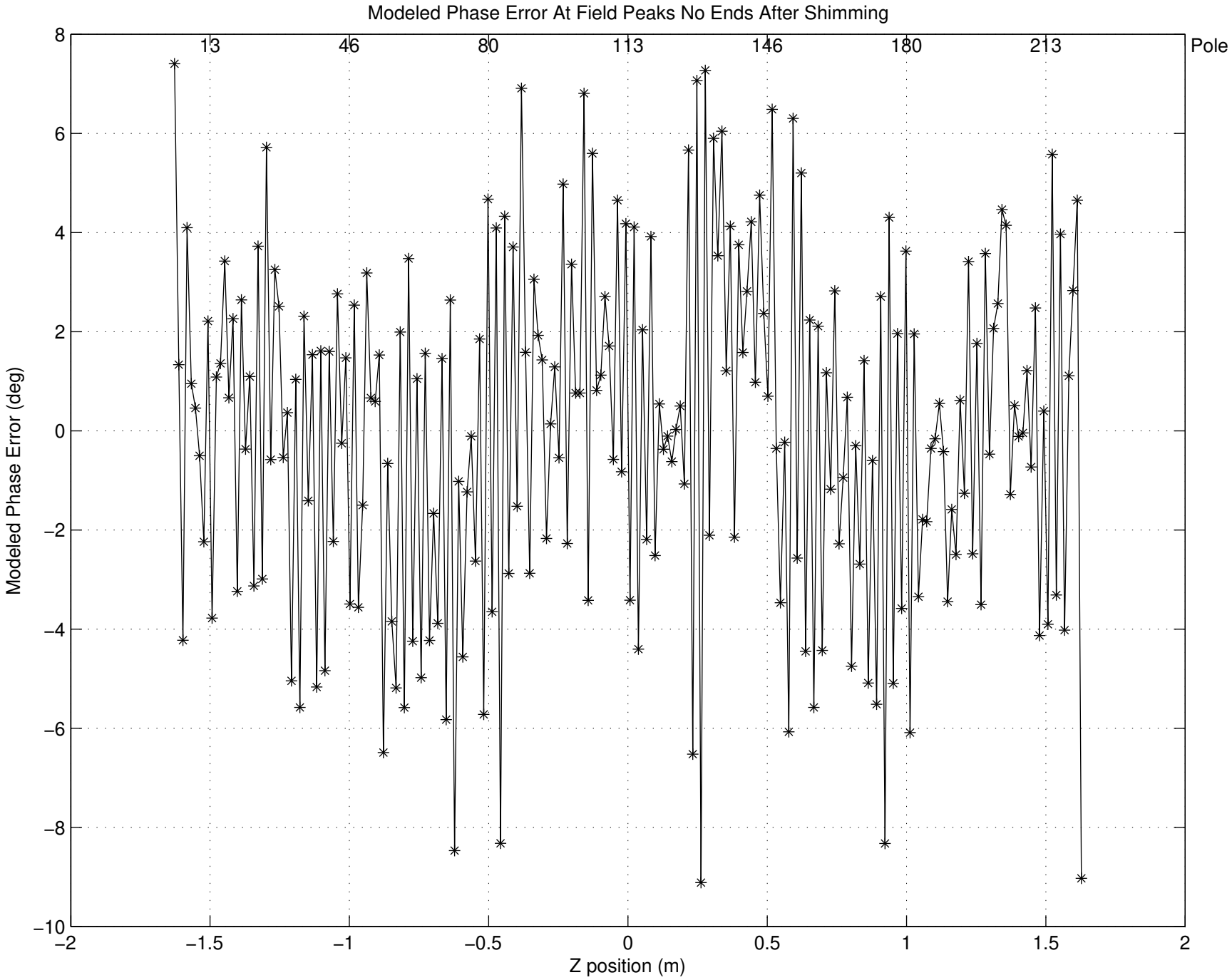
SLAC Magnetic Measurements
Date: 10−15−2014
Time: 08:47:33

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 48
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0048\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 20.04 −−> T2 20.03 −−> T5 19.97 −−> T3 20.03 −−> Air 20.08 −−> T4 20.00

Axes position (m) X:0.039424 Y:0.000209
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001068 V
Vy_0i = −0.003099 V



Phase Error: Ave = −0.000000 deg, RMS = 3.512070 deg