SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

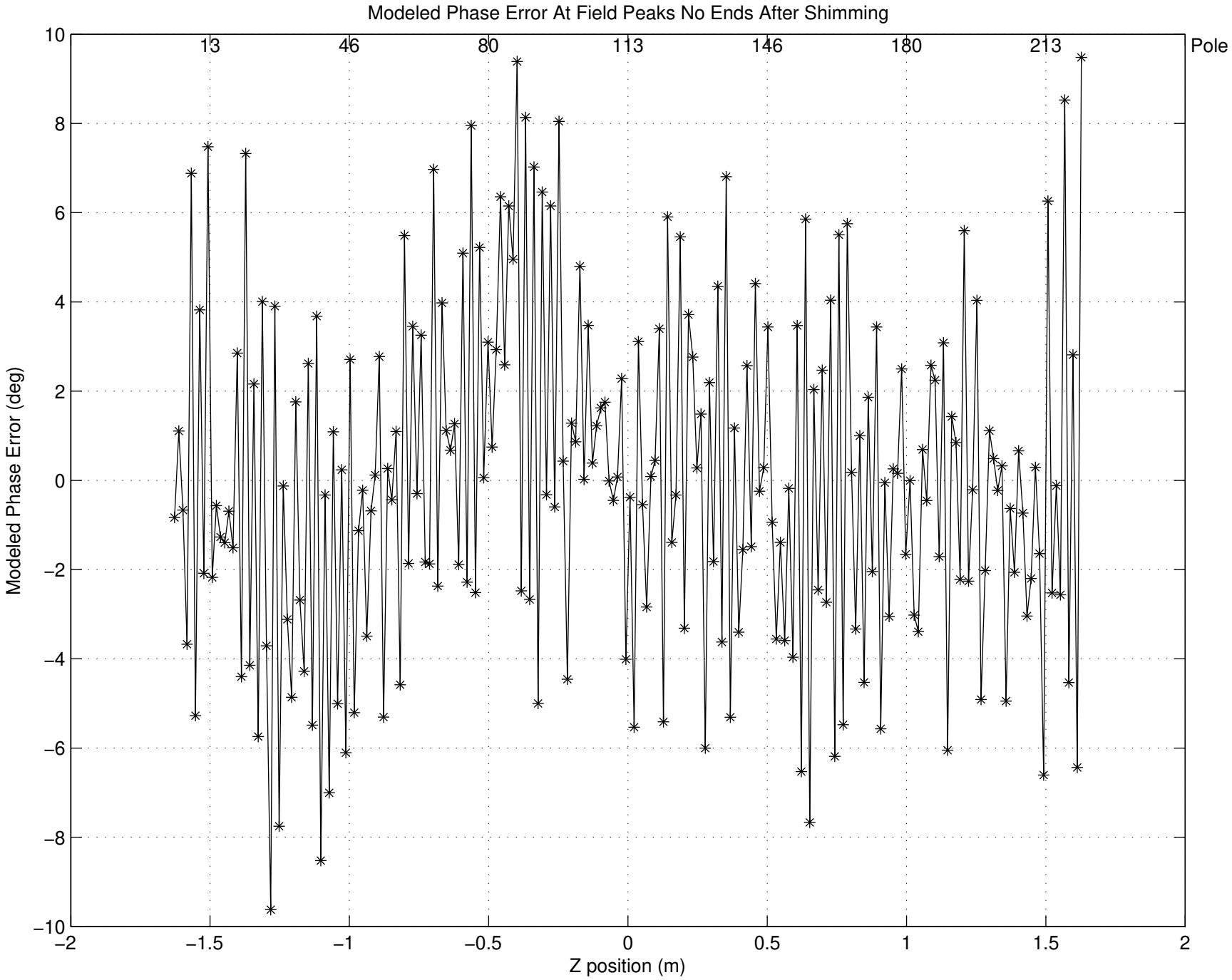
SLAC Magnetic Measurements
Date: 10−23−2013
Time: 08:21:28

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−37
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 2
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−37\DATASET0006\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−37:−−> T1 20.01 −−> T2 20.00 −−> T5 19.93 −−> T3 20.01 −−> Air 19.90 −−> T4 19.98

Axes position (m) X:0.029772 Y:0.000155
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001232 V
Vy_0i = −0.003080 V



Phase Error: Ave = −0.000000 deg, RMS = 3.836706 deg