SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

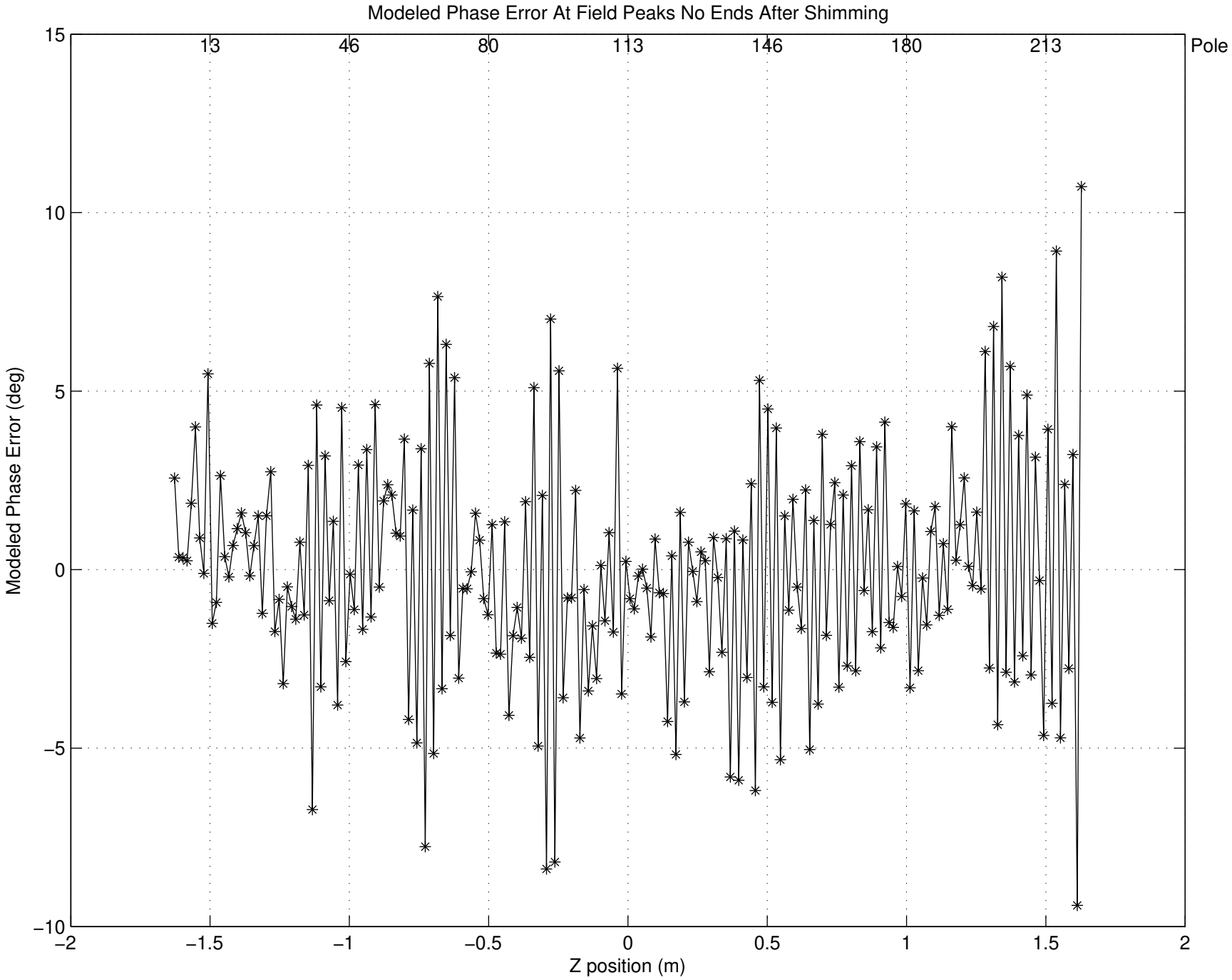
SLAC Magnetic Measurements
Date: 05−15−2013
Time: 13:42:22

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−22
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: find x and Y at nominal K
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−22\DATASET0003\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−22:−−> T1 20.20 −−> T2 20.19 −−> T5 20.07 −−> T3 20.20 −−> Air 19.98 −−> T4 20.15

Axes position (m) X:0.028978 Y:0.000253
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001011 V
Vy_0i = −0.003245 V



Phase Error: Ave = 0.000000 deg, RMS = 3.277328 deg