SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

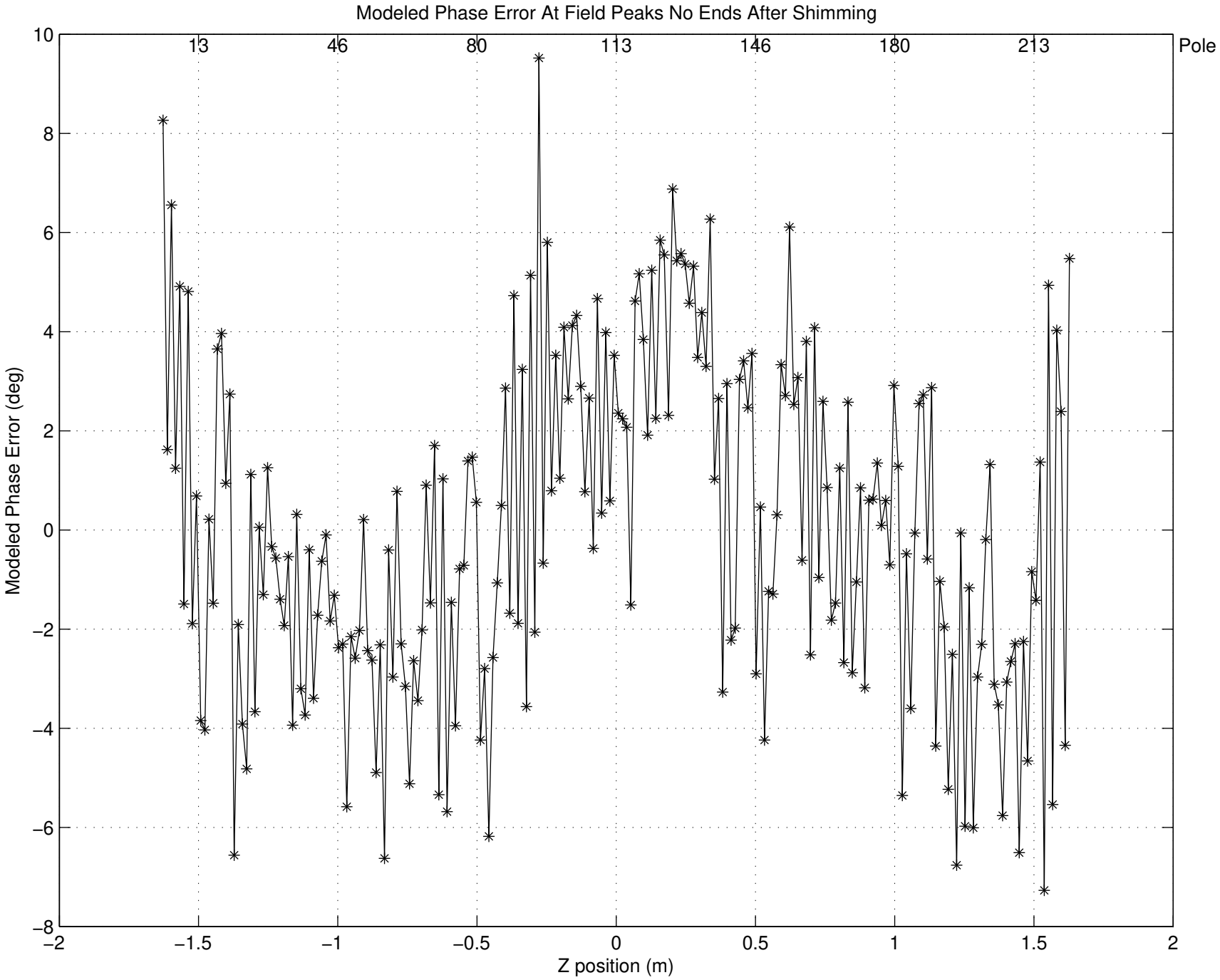
SLAC Magnetic Measurements
Date: 09−01−2011
Time: 10:35:21

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−11
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 16
Measurement Type: Z Scans
Operator: YL
Comment: tuning; after second gap adjustment
Session first run: 16
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−11\DATASET0003\Fine Tuning\Z Scans\Run 016\bscanz.dat

Temperature (C)
L143−112000−11:−−> T1 20.02 −−> T2 20.01 −−> T5 19.96 −−> T3 20.00 −−> Air 20.03 −−> T4 19.99

Axes position (m) X:0.027749 Y:0.000312
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001084 V
Vy_0i = −0.002843 V



Phase Error: Ave = −0.000000 deg, RMS = 3.369537 deg