SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

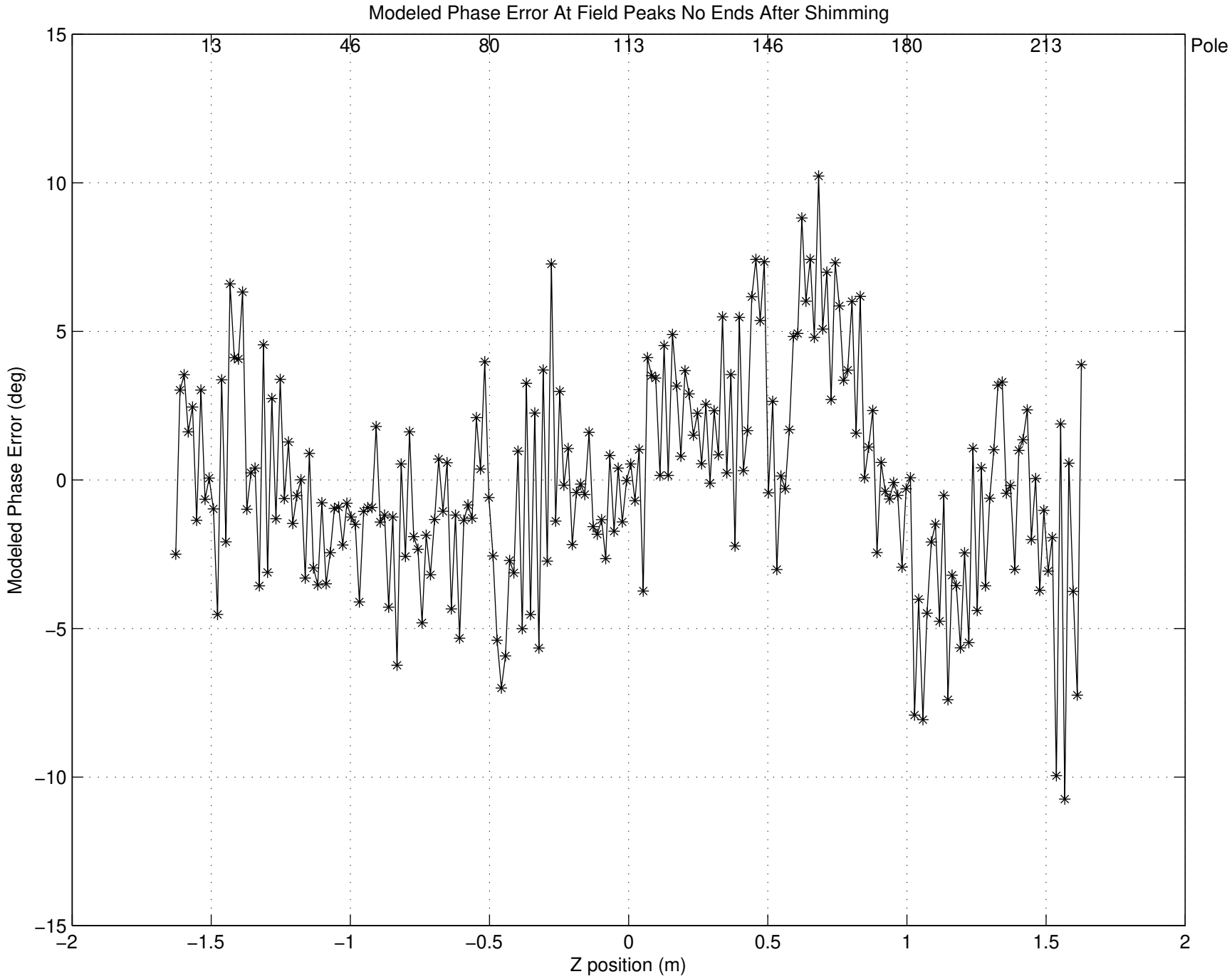
SLAC Magnetic Measurements
Date: 08−25−2011
Time: 10:10:17

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−11
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: tuning
Session first run: 9
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−11\DATASET0003\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−11:−−> T1 19.99 −−> T2 20.00 −−> T5 19.95 −−> T3 19.99 −−> Air 20.04 −−> T4 19.98

Axes position (m) X:0.027710 Y:0.000283
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001055 V
$Vy_0i$ = −0.002913 V




Phase Error: Ave = −0.000000 deg, RMS = 3.533373 deg