SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

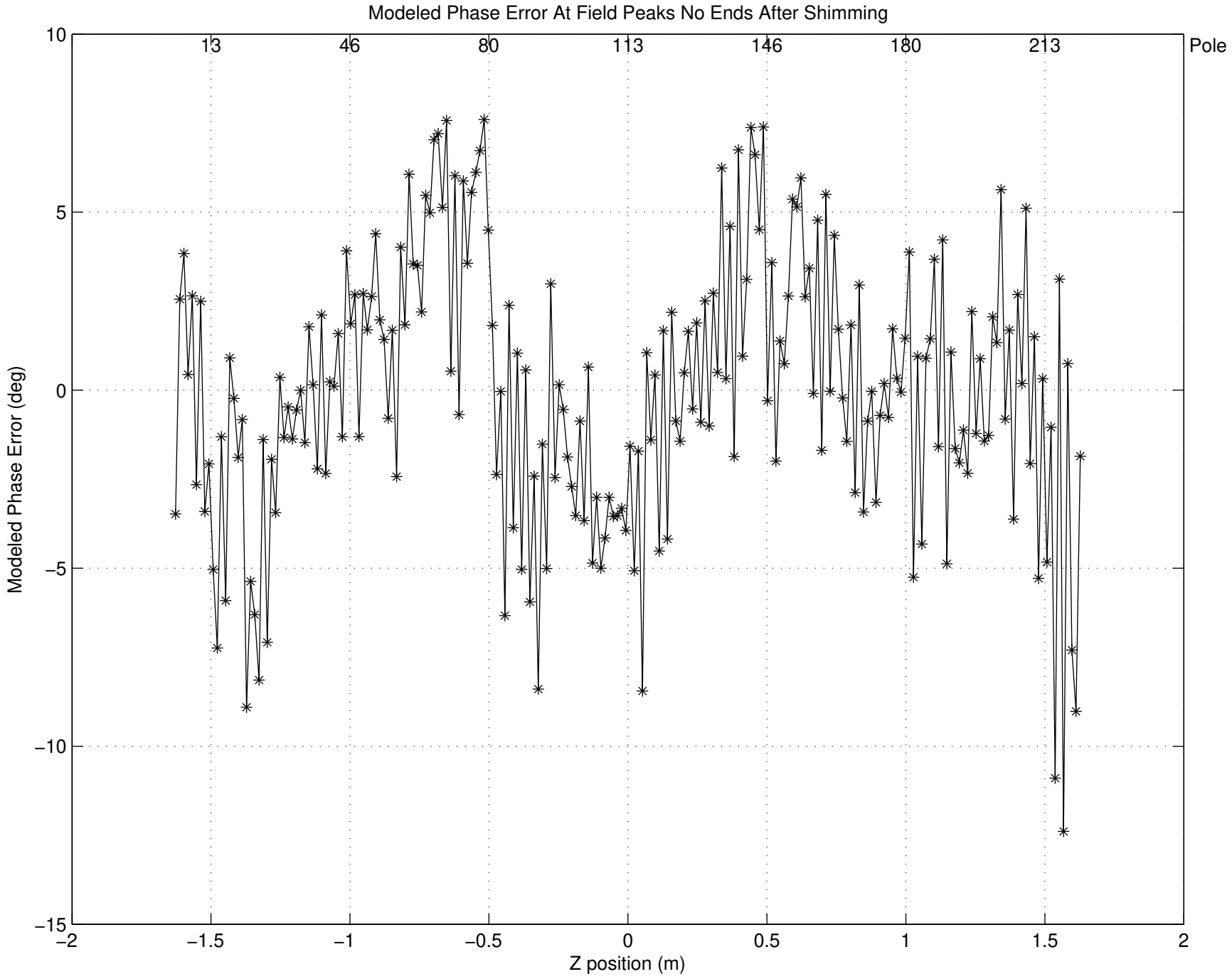
SLAC Magnetic Measurements
Date: 08−26−2011
Time: 16:39:08

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−11
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 12
Measurement Type: Z Scans
Operator: YL
Comment: tuning; after gap adjustment
Session first run: 11
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−11\DATASET0003\Fine Tuning\Z Scans\Run 012\bscanz.dat

Temperature (C)
L143−112000−11:−−> T1 20.04 −−> T2 20.04 −−> T5 20.02 −−> T3 20.04 −−> Air 20.08 −−> T4 20.04

Axes position (m) X:0.027719 Y:0.000312
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001034 V
Vy_0i = −0.002928 V



Phase Error: Ave = 0.000000 deg, RMS = 3.752135 deg