SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

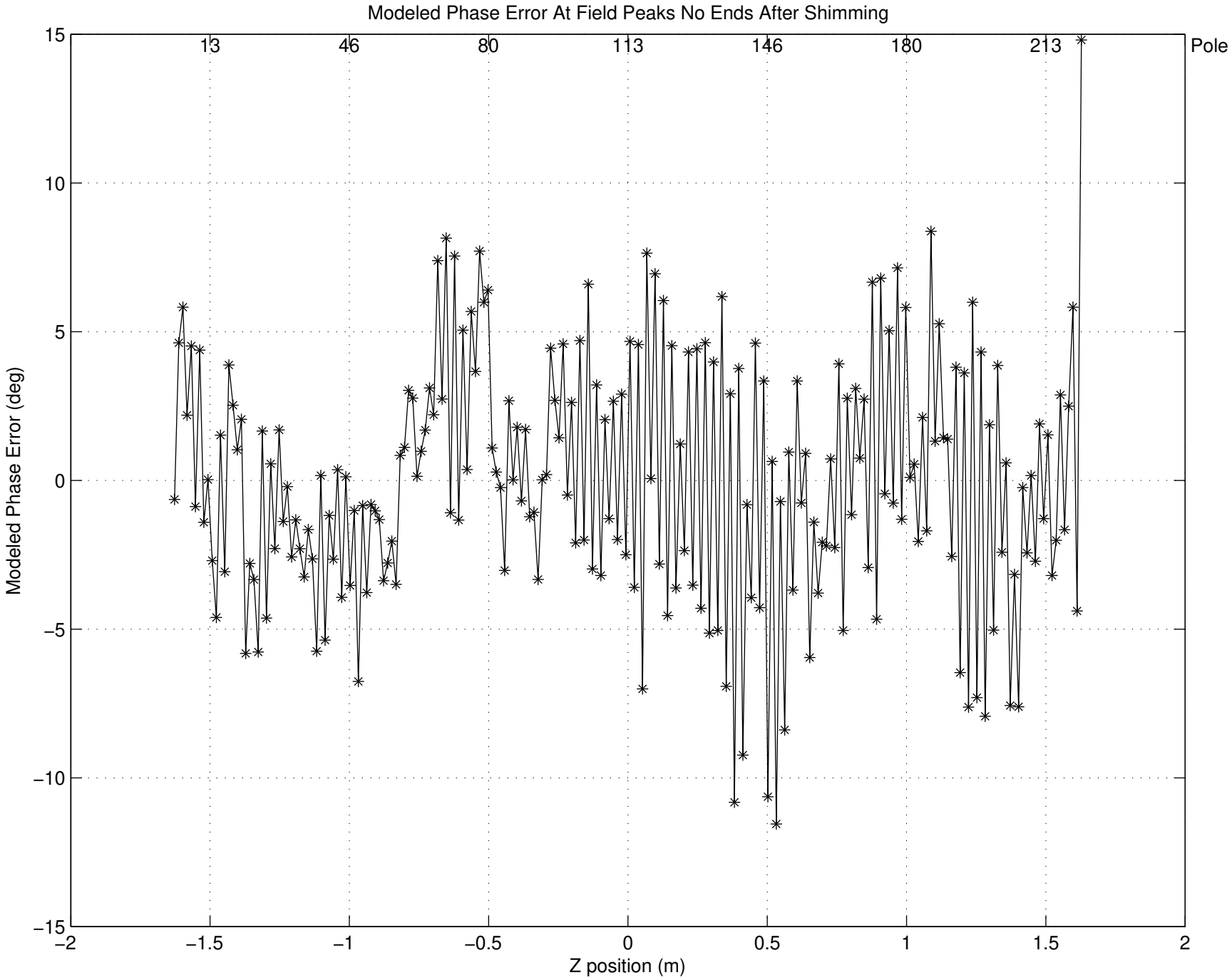
SLAC Magnetic Measurements
Date: 08−31−2011
Time: 10:34:00

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−11
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 14
Measurement Type: Z Scans
Operator: YL
Comment: tuning; after second gap adjustment
Session first run: 14
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−11\DATASET0003\Fine Tuning\Z Scans\Run 014\bscanz.dat

Temperature (C)
L143−112000−11:−−> T1 19.98 −−> T2 19.97 −−> T5 19.96 −−> T3 19.97 −−> Air 20.05 −−> T4 19.96

Axes position (m) X:0.027750 Y:0.000312
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001050 V
Vy_0i = −0.003045 V



Phase Error: Ave = −0.000000 deg, RMS = 4.113771 deg