SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

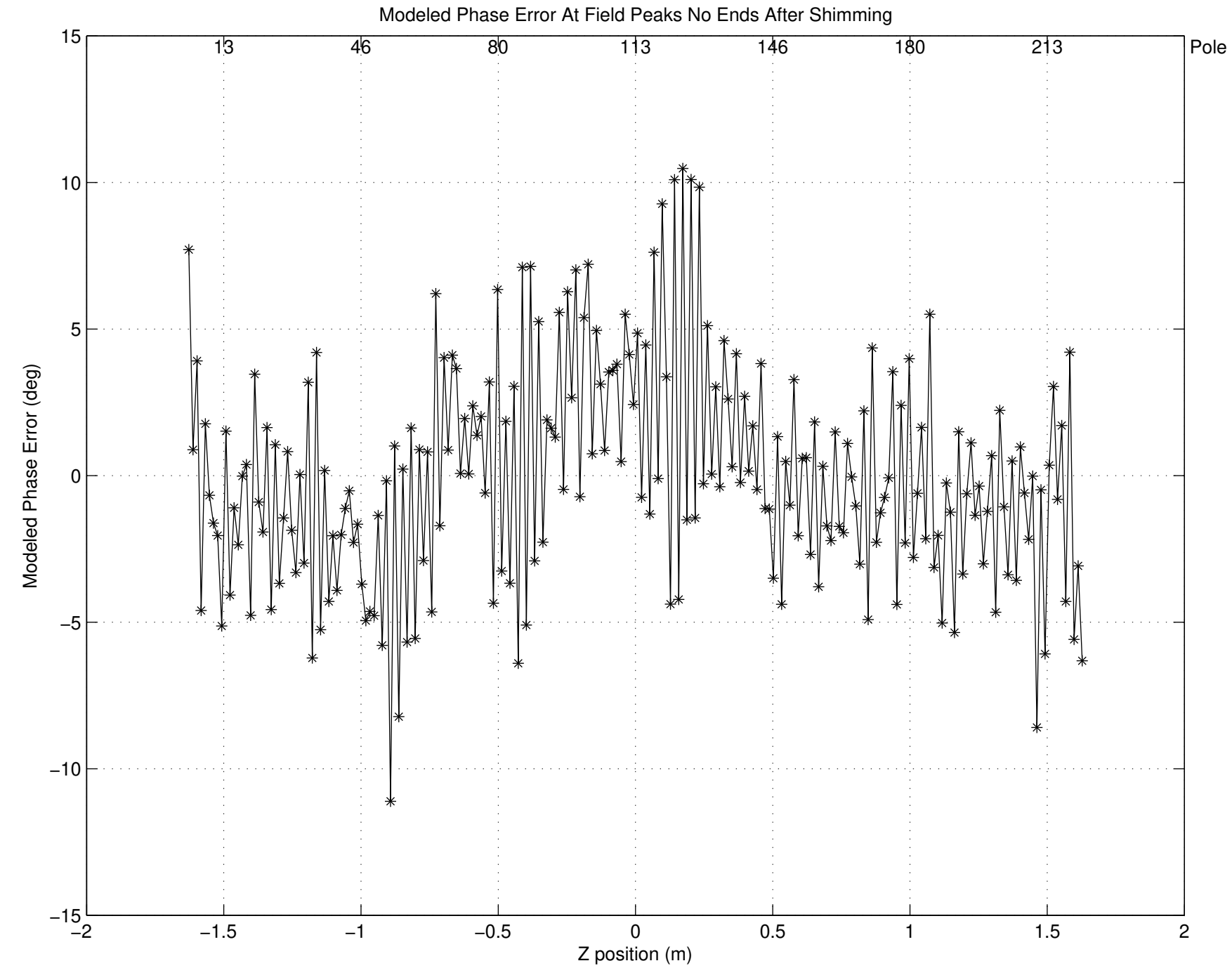
SLAC Magnetic Measurements
Date: 03−08−2011
Time: 16:10:19

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−35
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 14
Measurement Type: Z Scans
Operator: YL
Comment: check after calibration
Session first run: 13
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−35\DATASET0004\Fine Tuning\Z Scans\Run 014\bscanz.dat

Temperature (C)
L143−112000−35:−−> T1 20.02 −−> T2 20.02 −−> T5 20.00 −−> T3 20.02 −−> Air 20.04 −−> T4 20.02

Axes position (m) X:0.030026 Y:0.000339
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001159 V
Vy_0i = −0.003218 V



Phase Error: Ave = 0.000000 deg, RMS = 3.719622 deg