SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

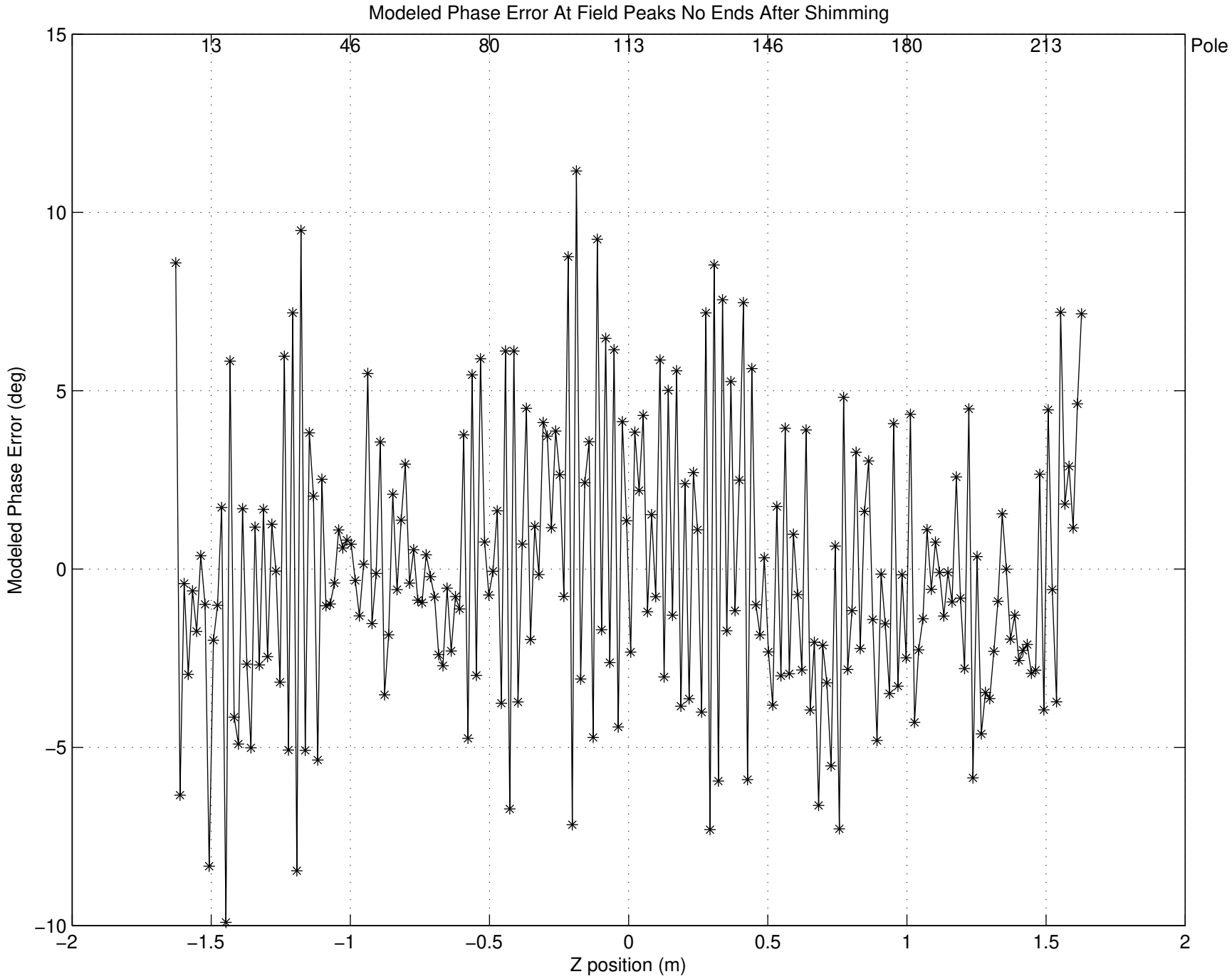
SLAC Magnetic Measurements
Date: 08−15−2011
Time: 10:53:06

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−30
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−30\DATASET0004\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−30:−−> T1 20.01 −−> T2 20.00 −−> T5 19.97 −−> T3 20.00 −−> Air 20.05 −−> T4 19.99

Axes position (m) X:0.027885 Y:0.000306
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001058 V
Vy_0i = −0.002984 V



Phase Error: Ave = −0.000000 deg, RMS = 3.833453 deg