SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

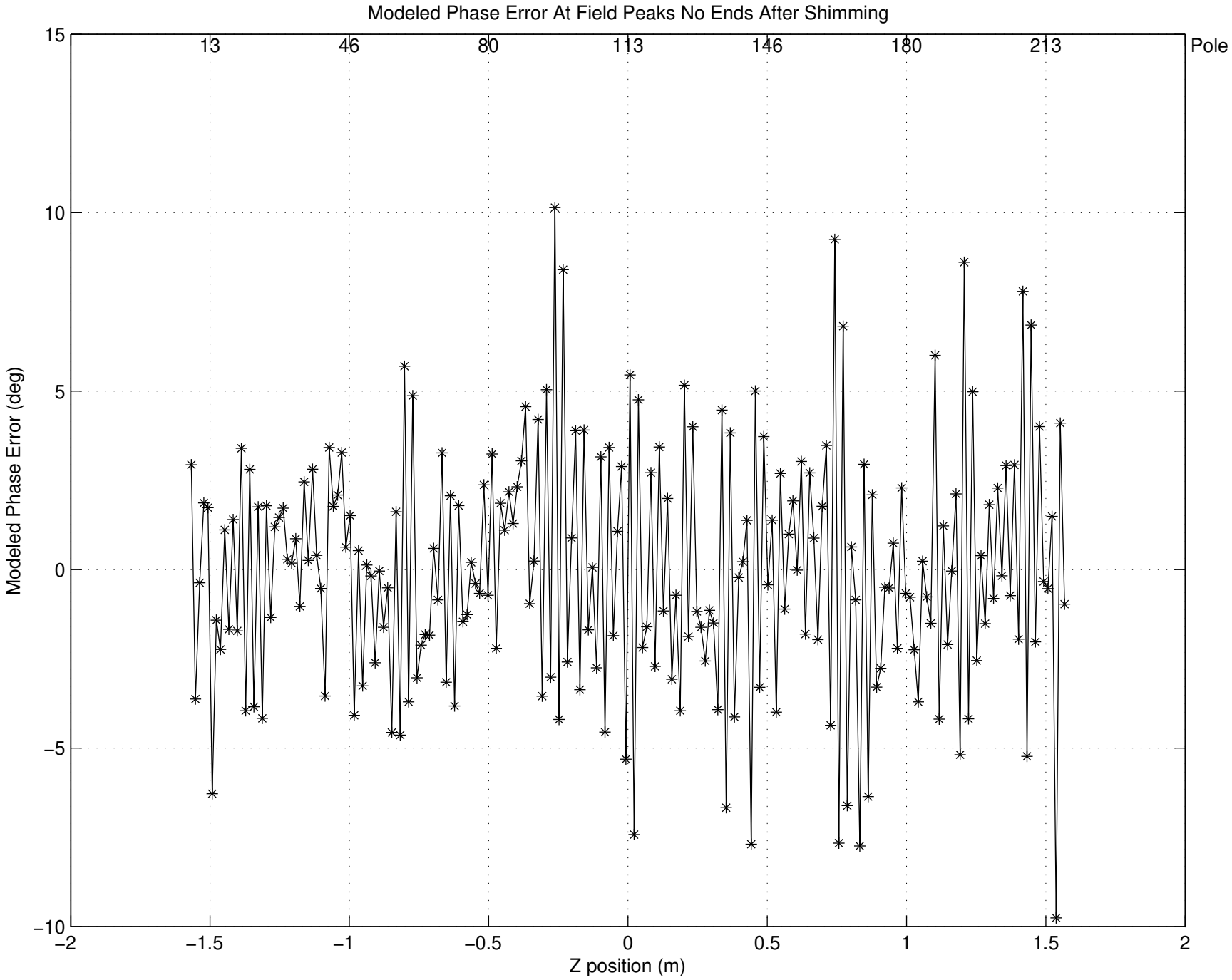
SLAC Magnetic Measurements
Date: 05−27−2010
Time: 14:25:54

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 20
Measurement Type: Z Scans
Operator: YL
Comment: tuning; large gap
Session first run: 20
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0004\Fine Tuning\Z Scans\Run 020\bscanz.dat

Temperature (C)
L143−112000−32:−−> T5 20.02 −−> T2 20.01 −−> T1 20.03 −−> T3 20.02 −−> Air 19.97 −−> T4 20.02

Axes position (m) X:0.026443 Y:0.000338
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001307 V
Vy_0i = −0.002950 V



Phase Error: Ave = −0.000000 deg, RMS = 3.374759 deg