SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

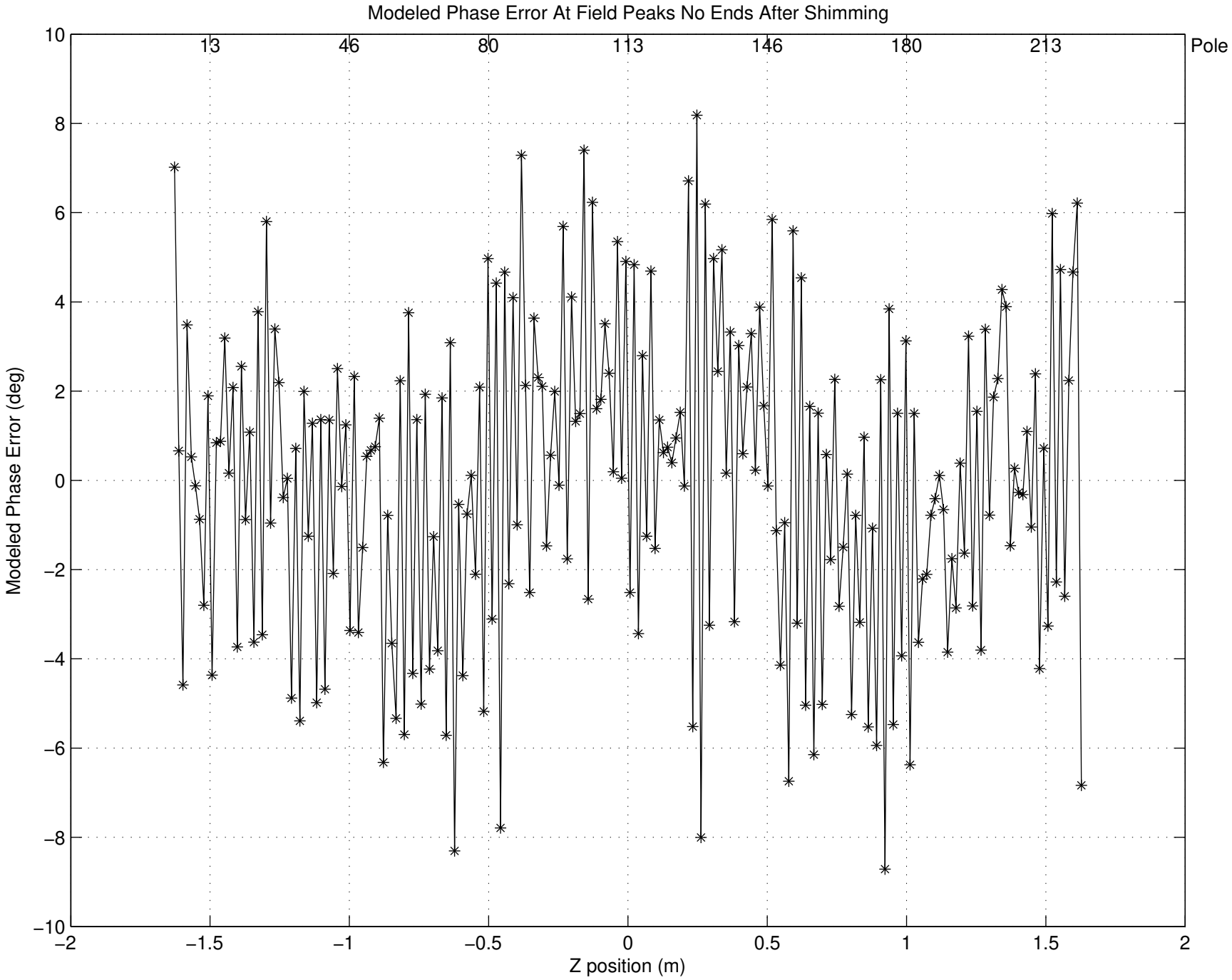
SLAC Magnetic Measurements
Date: 03−05−2014
Time: 11:29:55

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 47
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: at min K
Session first run: 3
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0047\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.98 −−> T2 19.94 −−> T5 19.91 −−> T3 19.95 −−> Air 19.88 −−> T4 19.92

Axes position (m) X:0.029510 Y:0.000220
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001185 V
Vy_0i = −0.002928 V



Phase Error: Ave = −0.000000 deg, RMS = 3.508780 deg