SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

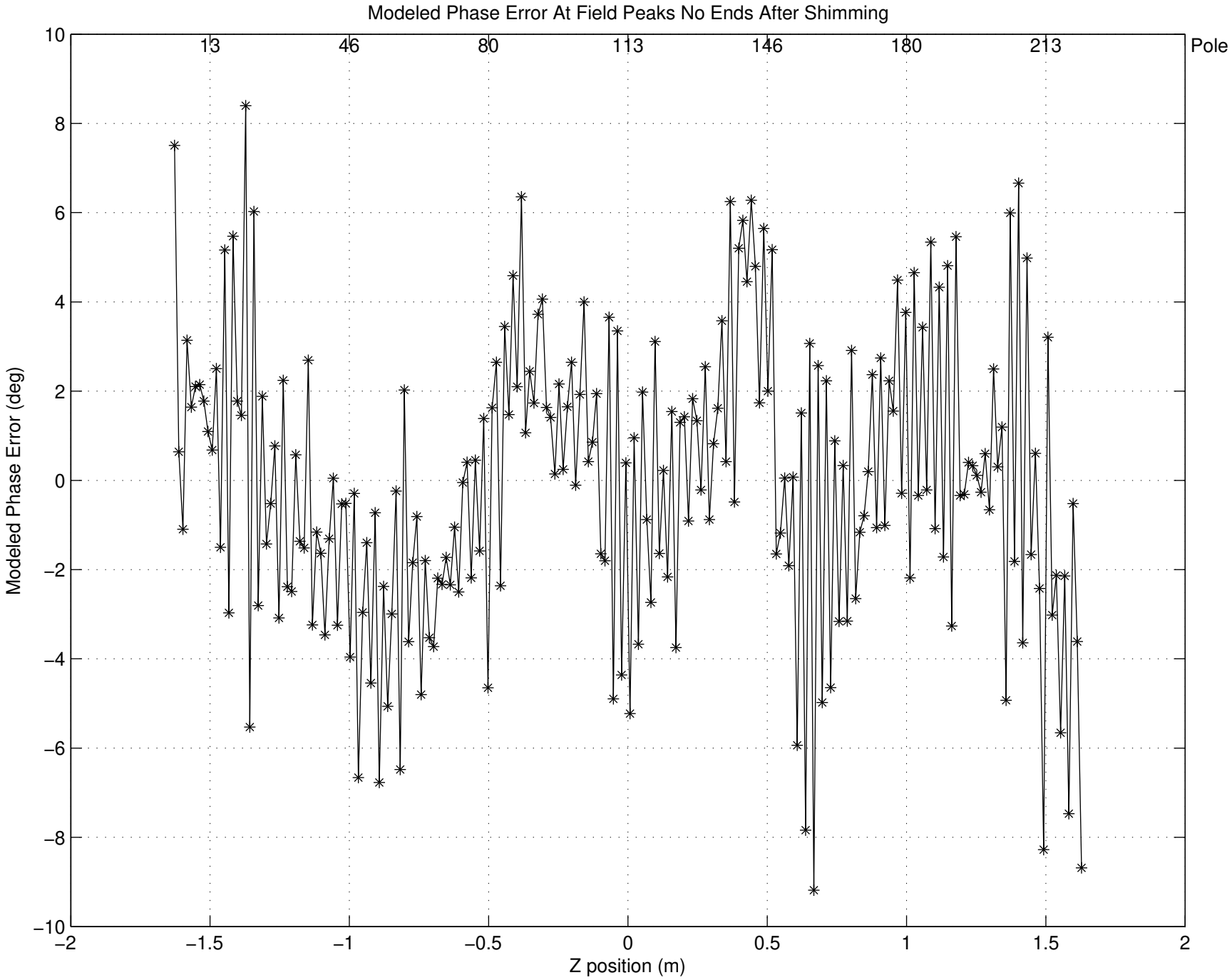
SLAC Magnetic Measurements
Date: 09−24−2013
Time: 10:03:45

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−39
DATASET Number: 8
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final scan
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: c:\magdata\LCLS\Undulator\L143−112000−39\DATASET0008\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−39:−−> T1 19.99 −−> T2 19.98 −−> T5 19.92 −−> T3 19.98 −−> Air 19.87 −−> T4 19.97

Axes position (m) X:0.029759 Y:0.000179
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000995 V
Vy_0i = −0.003140 V



Phase Error: Ave = 0.000000 deg, RMS = 3.263262 deg