SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

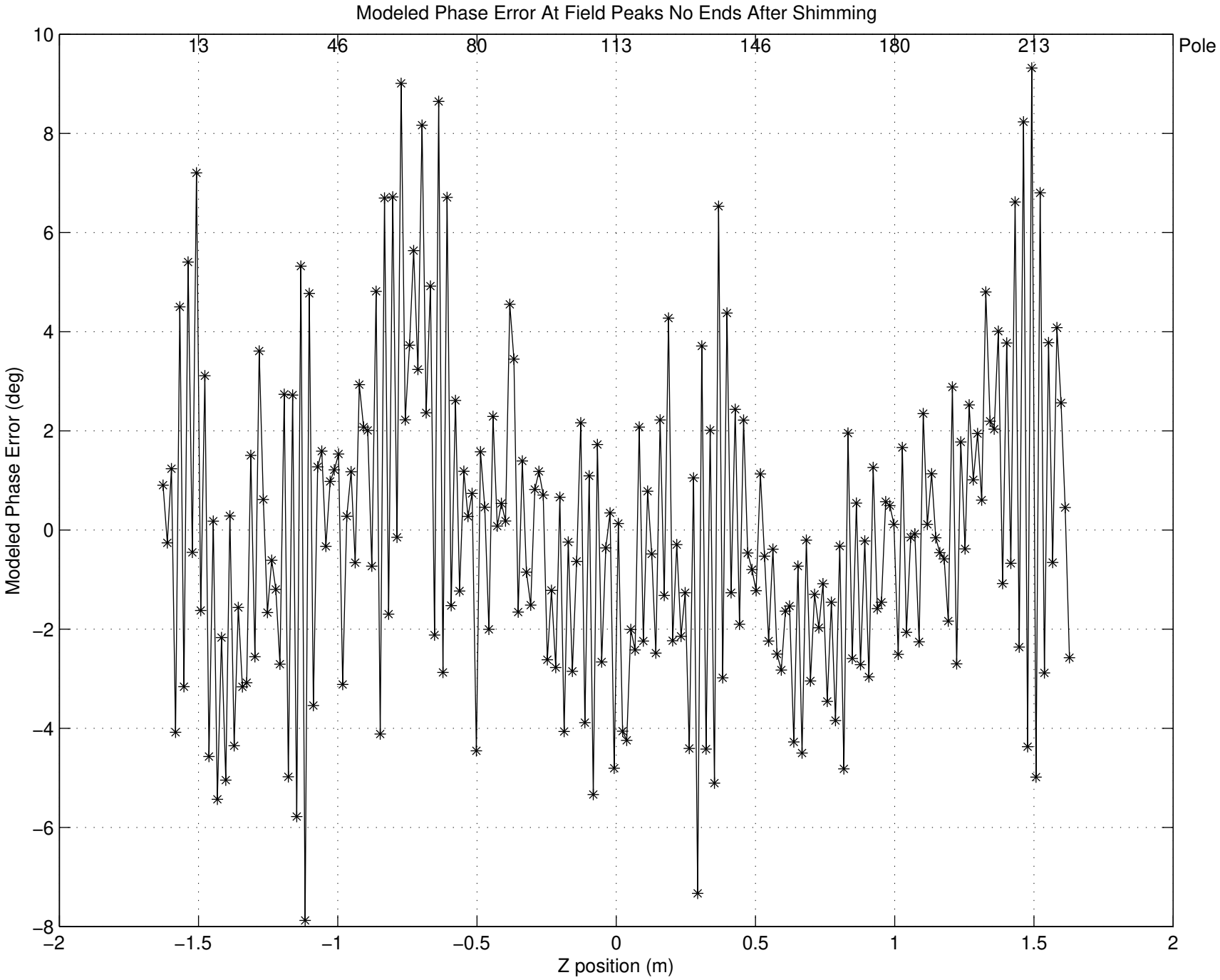
SLAC Magnetic Measurements
Date: 10−30−2013
Time: 11:31:26

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−08
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 14
Measurement Type: Z Scans
Operator: YL
Comment: at min K; after gluing shims
Session first run: 11
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−08\DATASET0006\Fine Tuning\Z Scans\Run 014\bscanz.dat

Temperature (C)
L143−112000−08:−−> T1 19.98 −−> T2 19.98 −−> T5 19.90 −−> T3 19.97 −−> Air 19.92 −−> T4 19.94

Axes position (m) X:0.029627 Y:0.000195
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001231 V
Vy_0i = −0.003108 V



Phase Error: Ave = 0.000000 deg, RMS = 3.193765 deg