SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

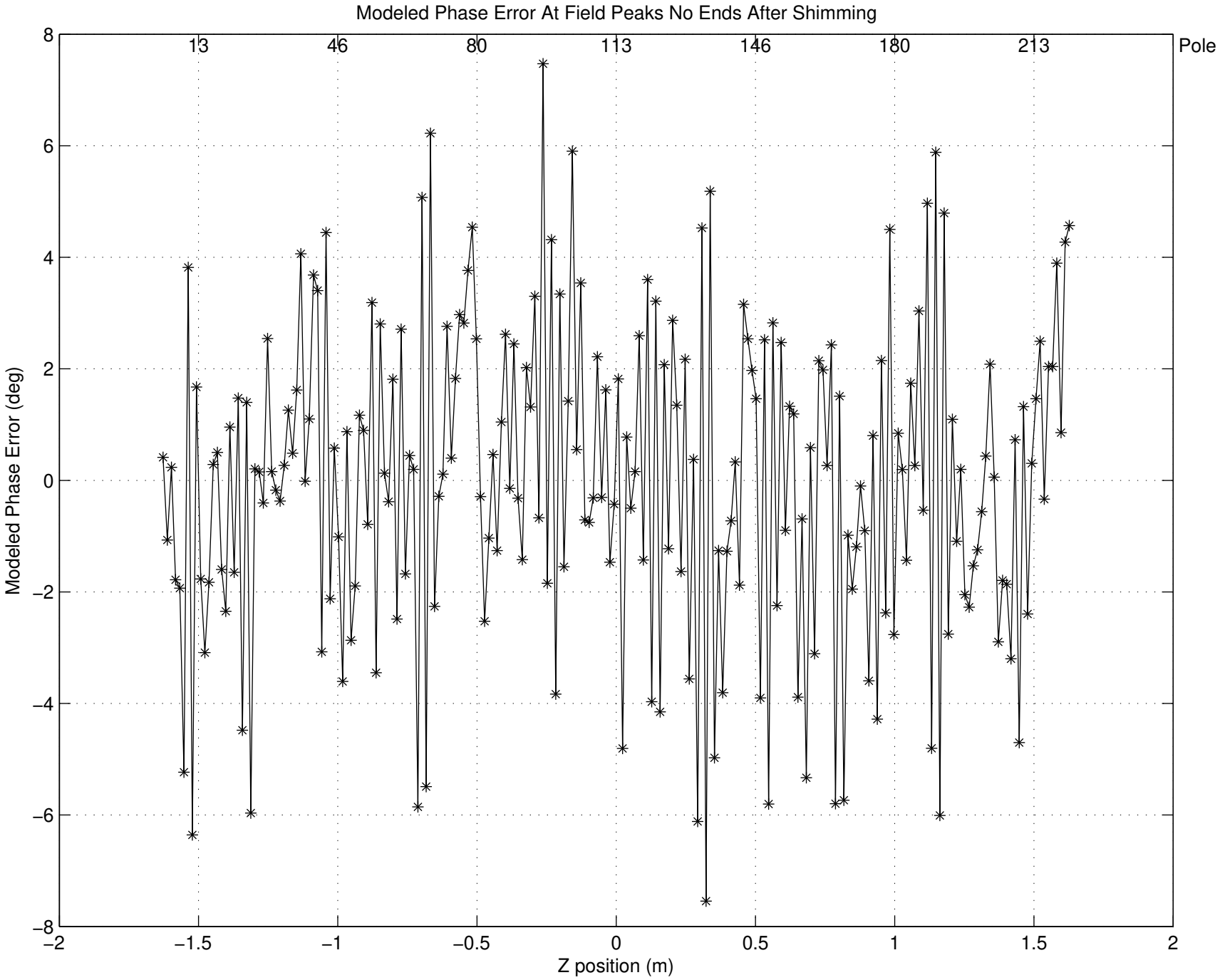
SLAC Magnetic Measurements
Date: 01−29−2014
Time: 08:59:32

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−25
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−25\DATASET0003\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−25:−−> T1 19.99 −−> T2 19.98 −−> T5 19.92 −−> T3 19.98 −−> Air 19.97 −−> T4 19.96

Axes position (m) X:0.029738 Y:0.000227
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001246 V
Vy_0i = −0.003295 V



Phase Error: Ave = 0.000000 deg, RMS = 2.803573 deg