SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

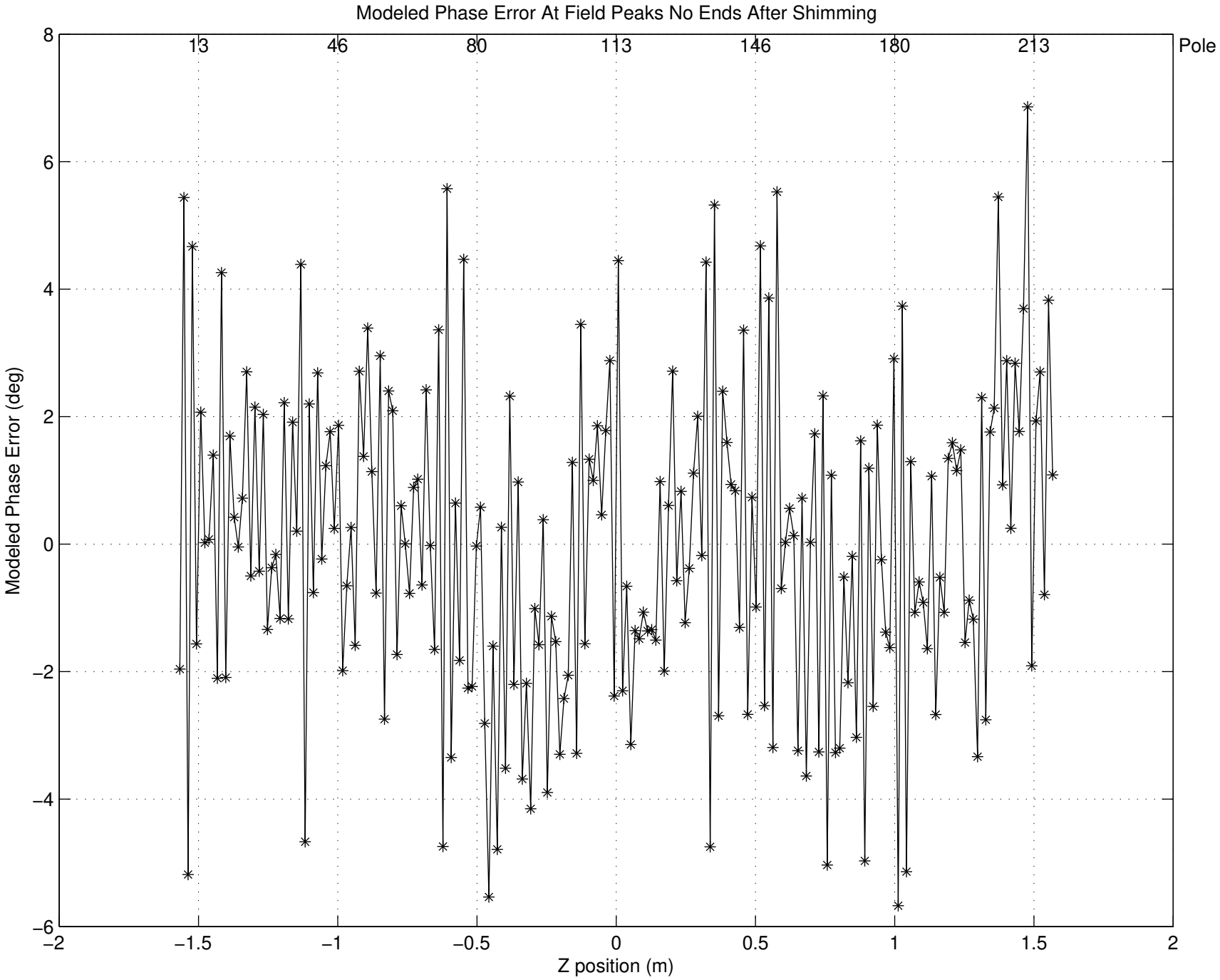
SLAC Magnetic Measurements
Date: 12−07−2010
Time: 15:36:05

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−14
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: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−14\DATASET0003\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−14:−−> T5 20.01 −−> T2 20.02 −−> T1 20.05 −−> T3 20.04 −−> Air 20.09 −−> T4 20.02

Axes position (m) X:0.039608 Y:0.000337
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001220 V
Vy_0i = −0.003143 V



Phase Error: Ave = 0.000000 deg, RMS = 2.497640 deg