SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

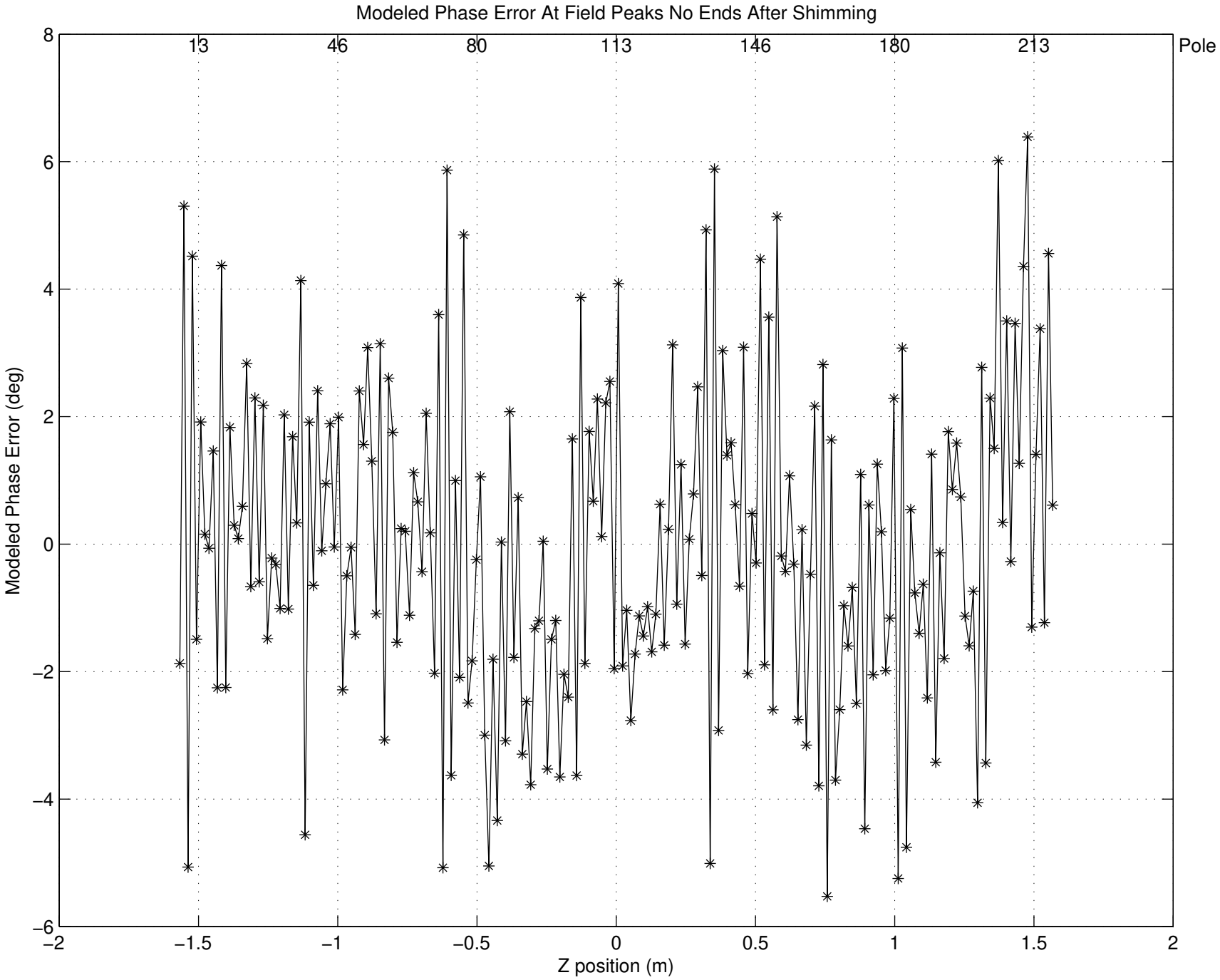
SLAC Magnetic Measurements
Date: 12−01−2010
Time: 15:26:04

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−14
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 2
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−14\DATASET0003\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−14:−−> T5 19.80 −−> T2 19.80 −−> T1 19.85 −−> T3 19.81 −−> Air 20.11 −−> T4 19.80

Axes position (m) X:0.039608 Y:0.000273
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001227 V
Vy_0i = −0.003452 V



Phase Error: Ave = −0.000000 deg, RMS = 2.505871 deg