SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

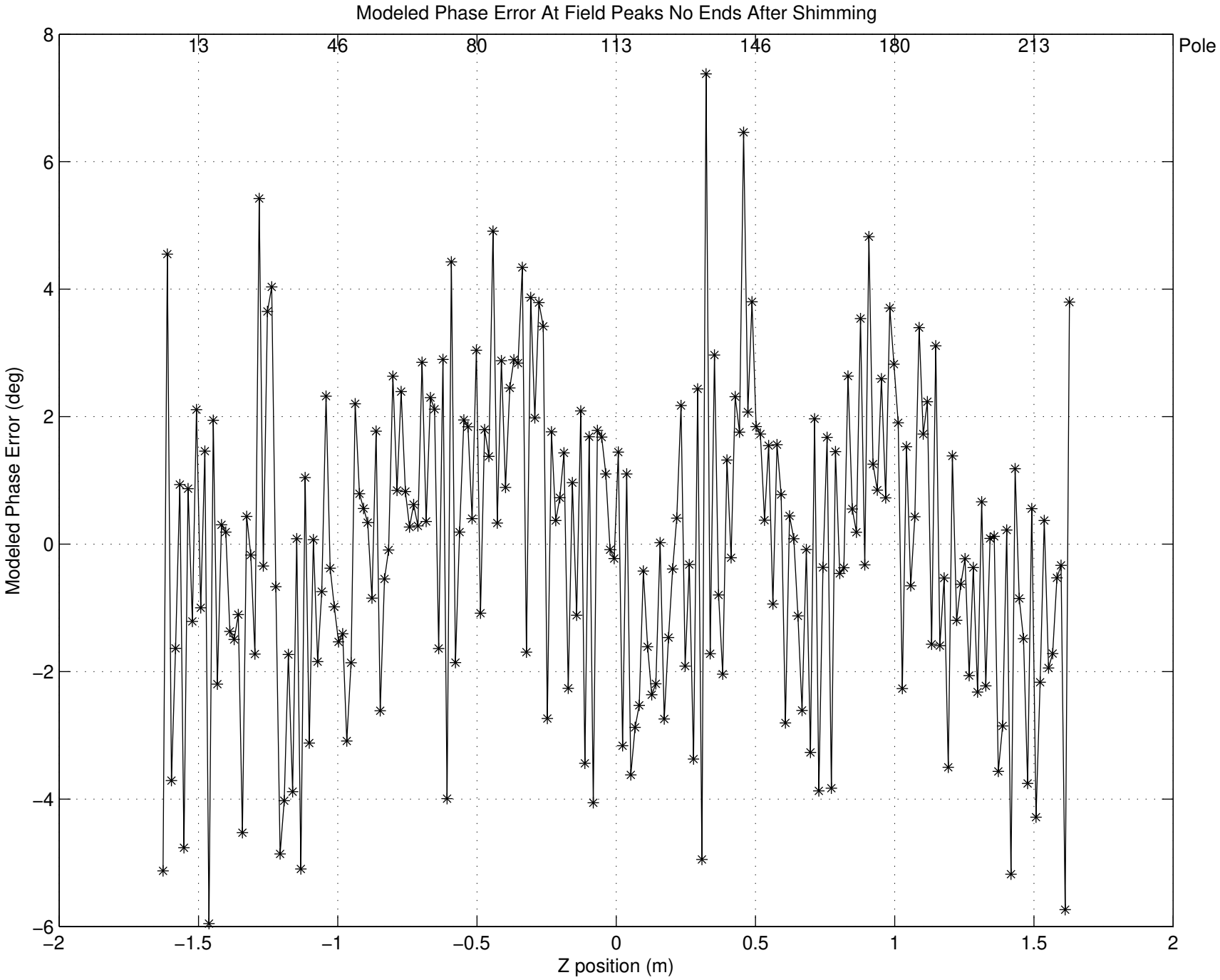
SLAC Magnetic Measurements
Date: 11−17−2011
Time: 13:50:53

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−17
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\L143−112000−17\DATASET0003\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−17:−−> T1 19.98 −−> T2 19.94 −−> T5 19.90 −−> T3 19.94 −−> Air 19.94 −−> T4 19.91

Axes position (m) X:0.029682 Y:0.000252
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001097 V
Vy_0i = −0.003371 V



Phase Error: Ave = −0.000000 deg, RMS = 2.439070 deg