SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

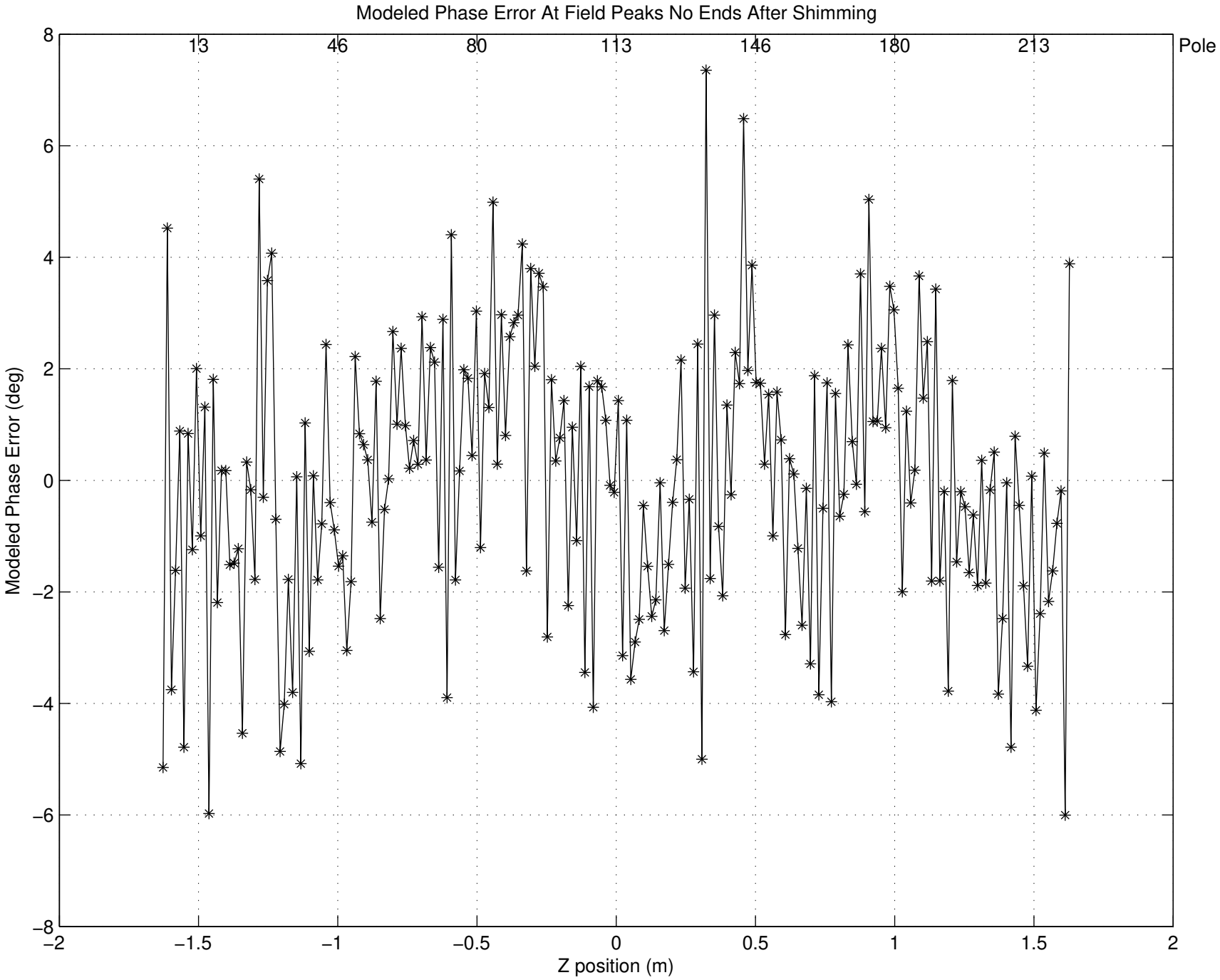
SLAC Magnetic Measurements
Date: 11−21−2011
Time: 14:38:16

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−17
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; repeat the measurements
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−17\DATASET0003\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−17:−−> T1 20.02 −−> T2 19.98 −−> T5 19.95 −−> T3 19.97 −−> Air 20.03 −−> T4 19.95

Axes position (m) X:0.030038 Y:0.000249
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000956 V
Vy_0i = −0.003455 V



Phase Error: Ave = 0.000000 deg, RMS = 2.439797 deg