SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

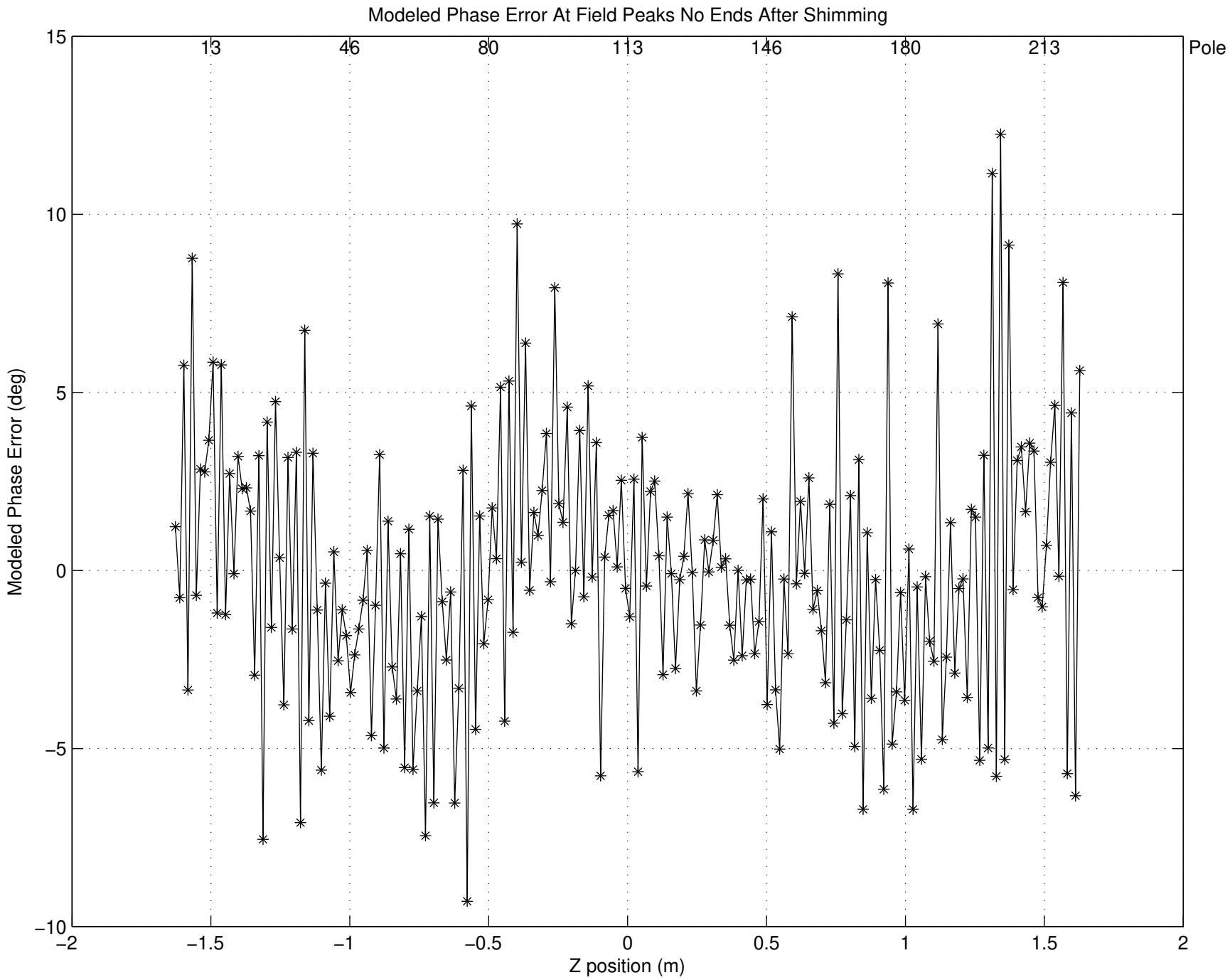
SLAC Magnetic Measurements
Date: 04−04−2013
Time: 13:14:58

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−36
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; probe re−calibrated
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−36\DATASET0003\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−36:−−> T1 19.98 −−> T2 19.95 −−> T5 19.90 −−> T3 19.96 −−> Air 19.85 −−> T4 19.92

Axes position (m) X:0.029987 Y:0.000191
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000924 V
Vy_0i = −0.003128 V



Phase Error: Ave = −0.000000 deg, RMS = 3.770461 deg