SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

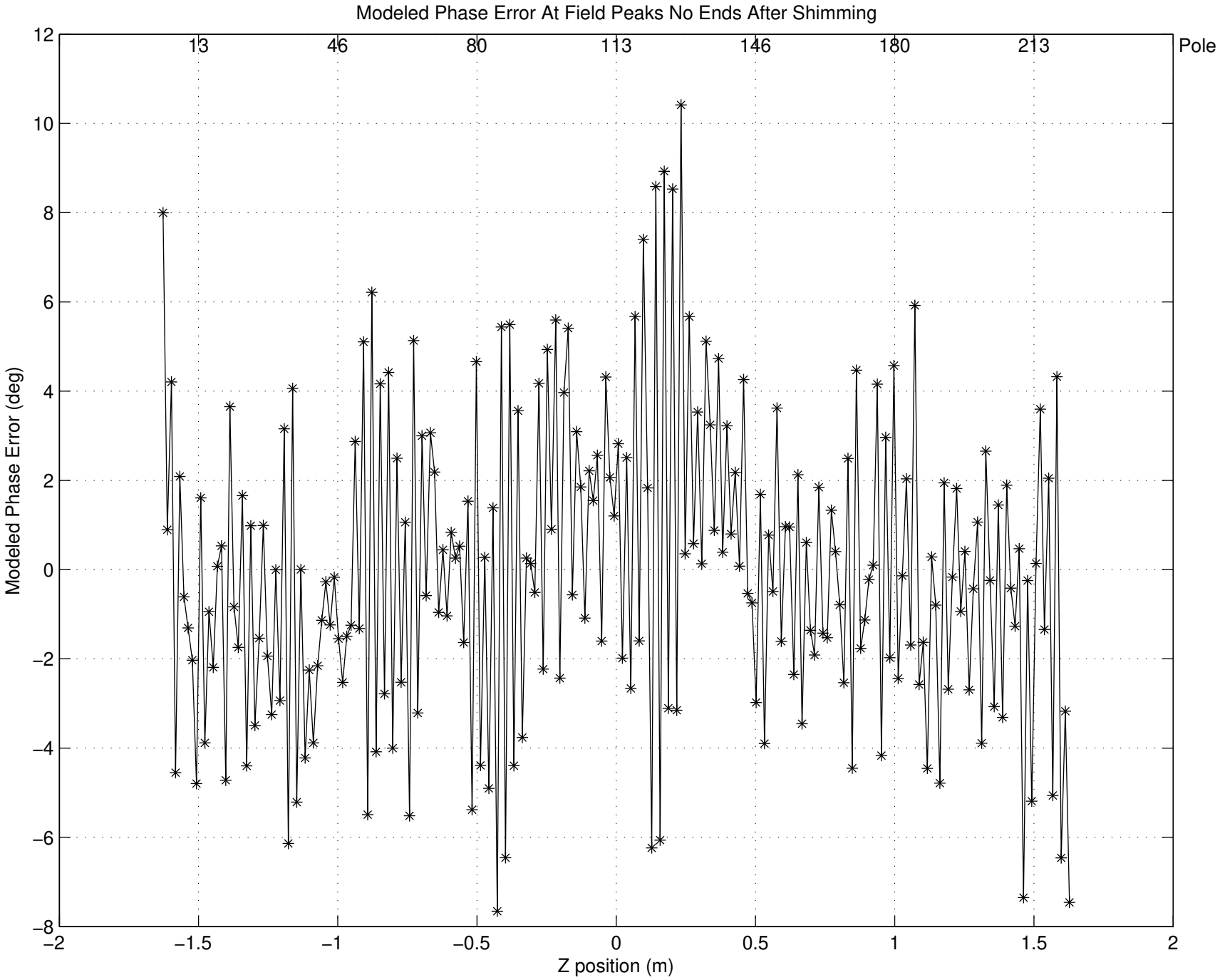
SLAC Magnetic Measurements
Date: 03−01−2011
Time: 16:41:22

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−35
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; after probe re−calibration
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−35\DATASET0004\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−35:−−> T1 20.08 −−> T2 20.07 −−> T5 20.04 −−> T3 20.07 −−> Air 20.12 −−> T4 20.06

Axes position (m) X:0.029326 Y:0.000380
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001213 V
$Vy_0i$ = −0.003537 V




Phase Error: Ave = −0.000000 deg, RMS = 3.405293 deg