SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

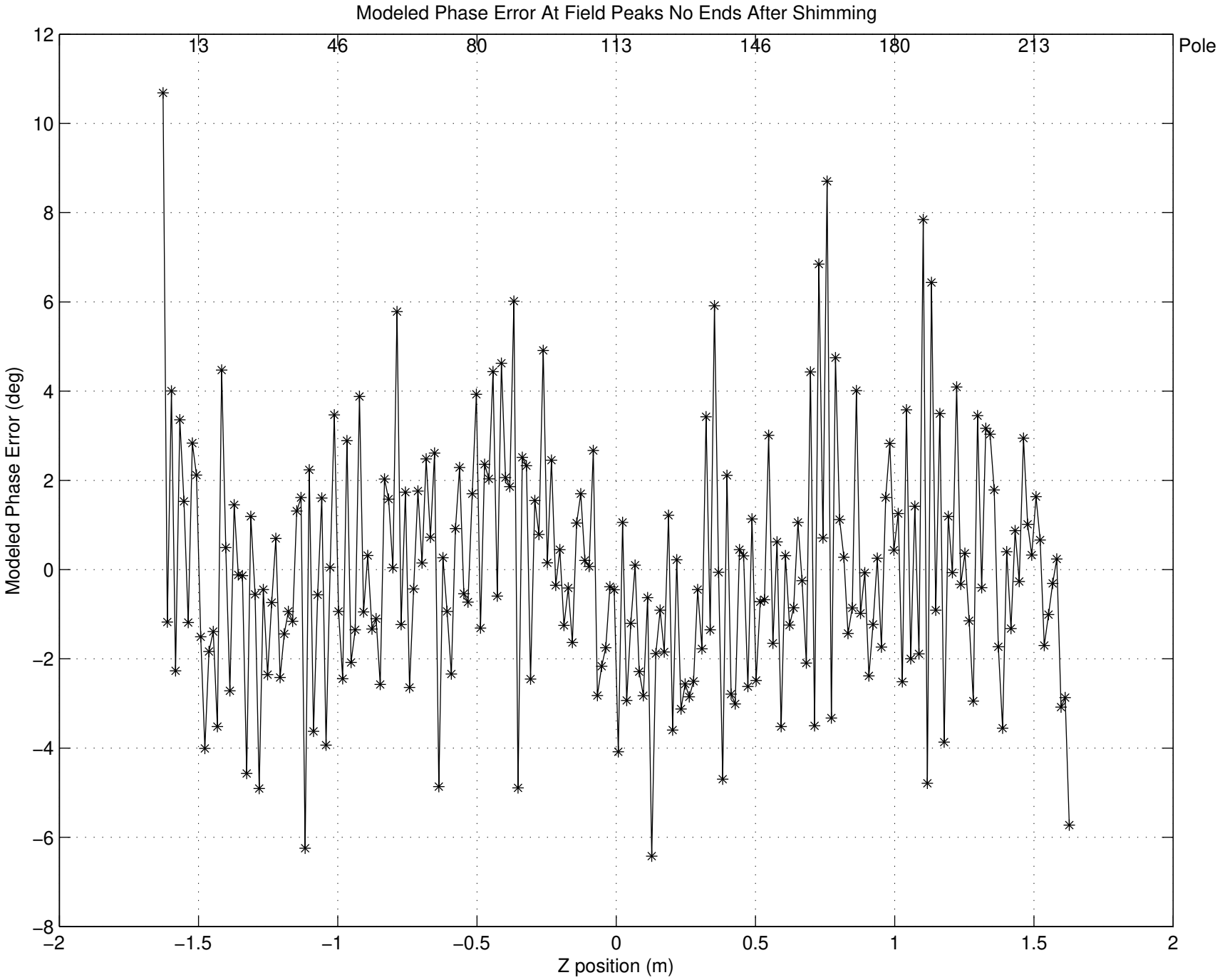
SLAC Magnetic Measurements
Date: 12−05−2012
Time: 11:32:43

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−27
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 18
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final scan
Session first run: 17
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−27\DATASET0003\Fine Tuning\Z Scans\Run 018\bscanz.dat

Temperature (C)
L143−112000−27:−−> T1 19.97 −−> T2 19.95 −−> T5 19.91 −−> T3 19.95 −−> Air 19.98 −−> T4 19.94

Axes position (m) X:0.030200 Y:0.000224
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.000872 V
$Vy_0i$ = −0.003333 V




Phase Error: Ave = 0.000000 deg, RMS = 2.717665 deg