SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

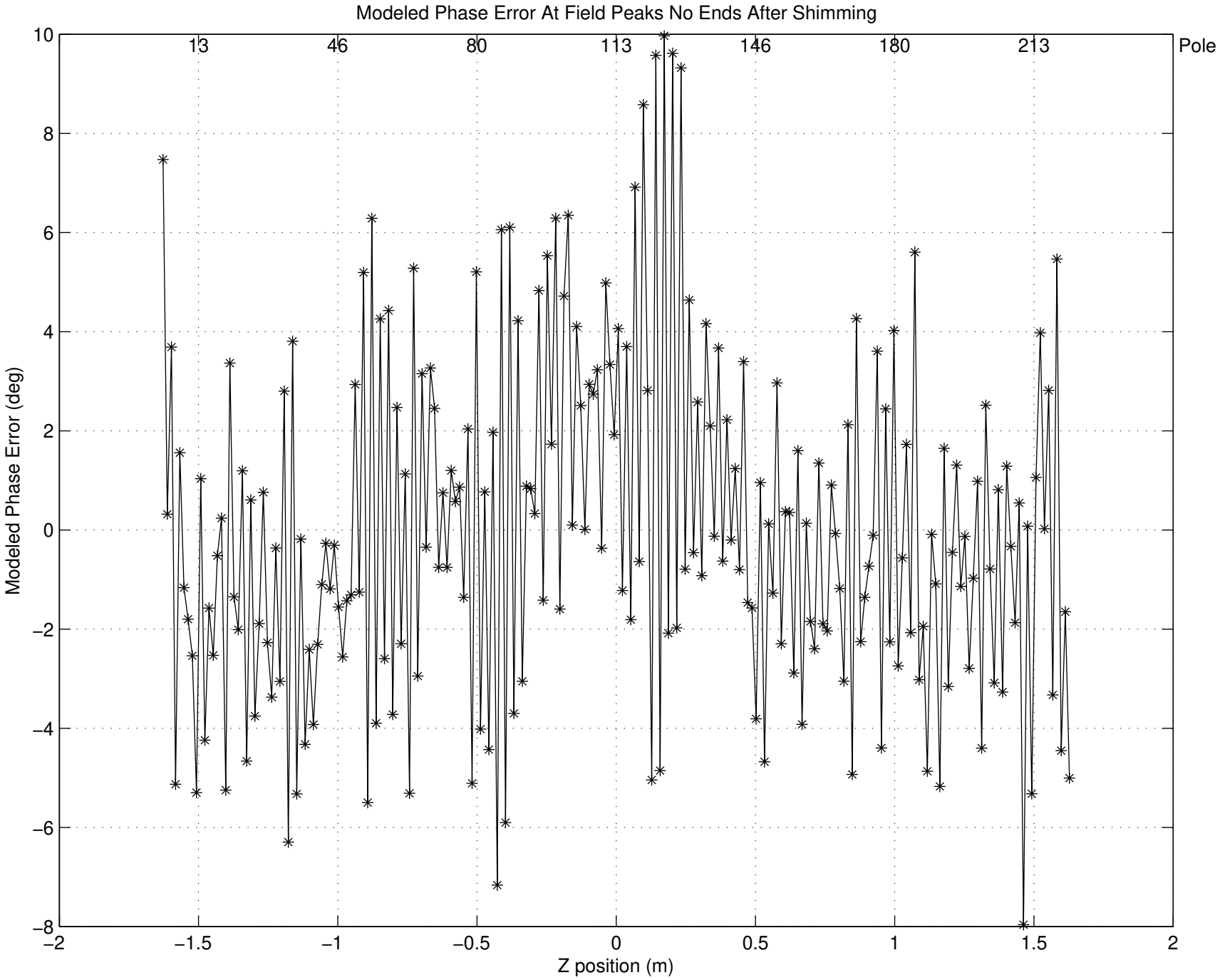
SLAC Magnetic Measurements
Date: 03−16−2011
Time: 14:35:39

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−35
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 18
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 17
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−35\DATASET0004\Fine Tuning\Z Scans\Run 018\bscanz.dat

Temperature (C)
L143−112000−35:−−> T1 20.01 −−> T2 19.99 −−> T5 19.97 −−> T3 19.99 −−> Air 20.08 −−> T4 19.98

Axes position (m) X:0.029912 Y:0.000312
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001204 V
Vy_0i = −0.003249 V



Phase Error: Ave = 0.000000 deg, RMS = 3.443009 deg