SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

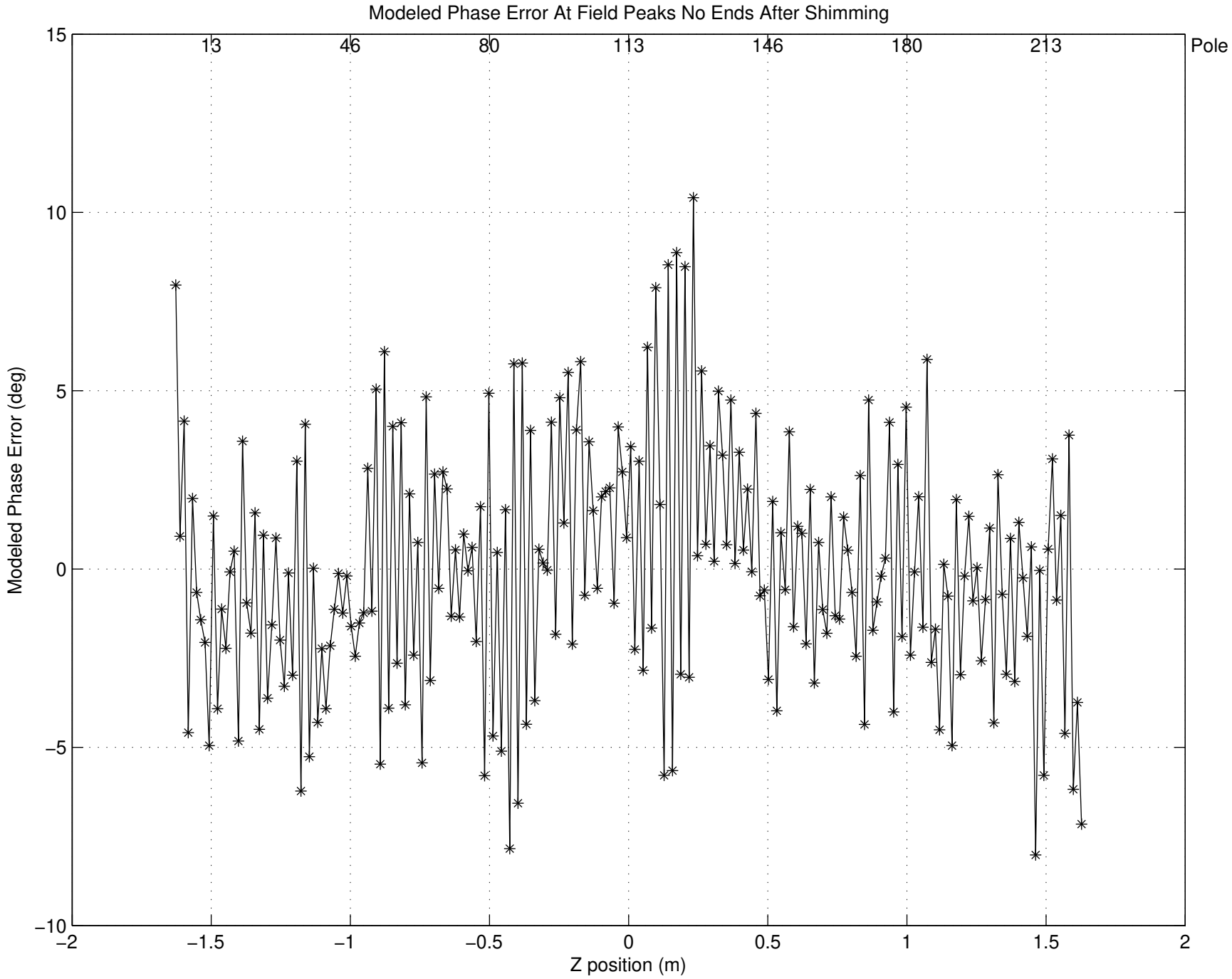
SLAC Magnetic Measurements
Date: 03−16−2011
Time: 15:17:04

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−35
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 20
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 20
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−35\DATASET0004\Fine Tuning\Z Scans\Run 020\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:0.029965 Y:0.000310
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001158 V
Vy_0i = −0.003117 V



Phase Error: Ave = −0.000000 deg, RMS = 3.418512 deg