SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

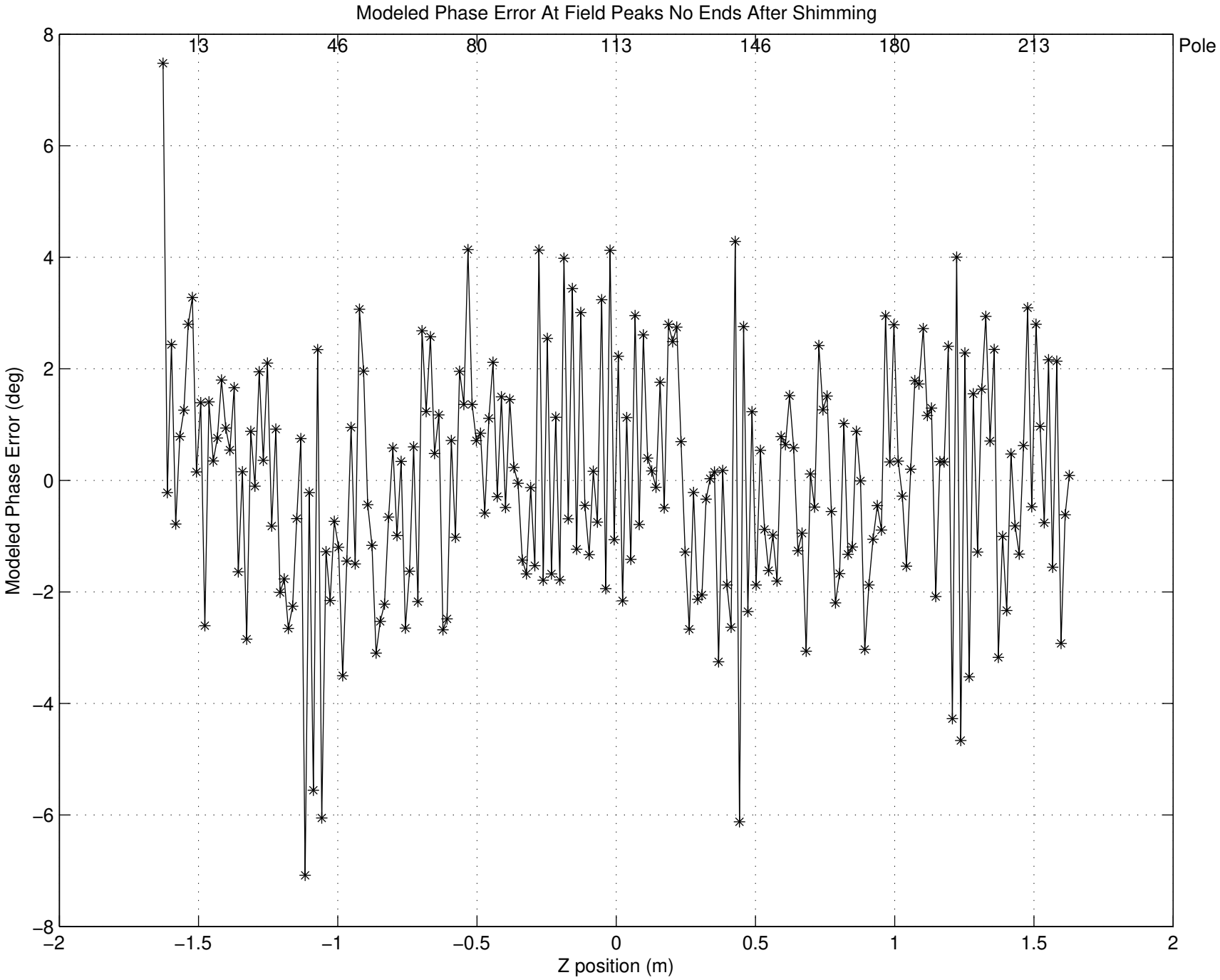
SLAC Magnetic Measurements
Date: 03−01−2012
Time: 09:42:39

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−01
DATASET Number: 2
Tuning Stage: Fine Tuning
Run Number: 23
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before gluing shims
Session first run: 21
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−01\DATASET0002\Fine Tuning\Z Scans\Run 023\bscanz.dat

Temperature (C)
L143−112000−01:−−> T1 19.99 −−> T2 19.98 −−> T5 19.95 −−> T3 19.97 −−> Air 20.00 −−> T4 19.96

Axes position (m) X:0.030165 Y:0.000209
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001070 V
Vy_0i = −0.003605 V



Phase Error: Ave = 0.000000 deg, RMS = 2.100617 deg