SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

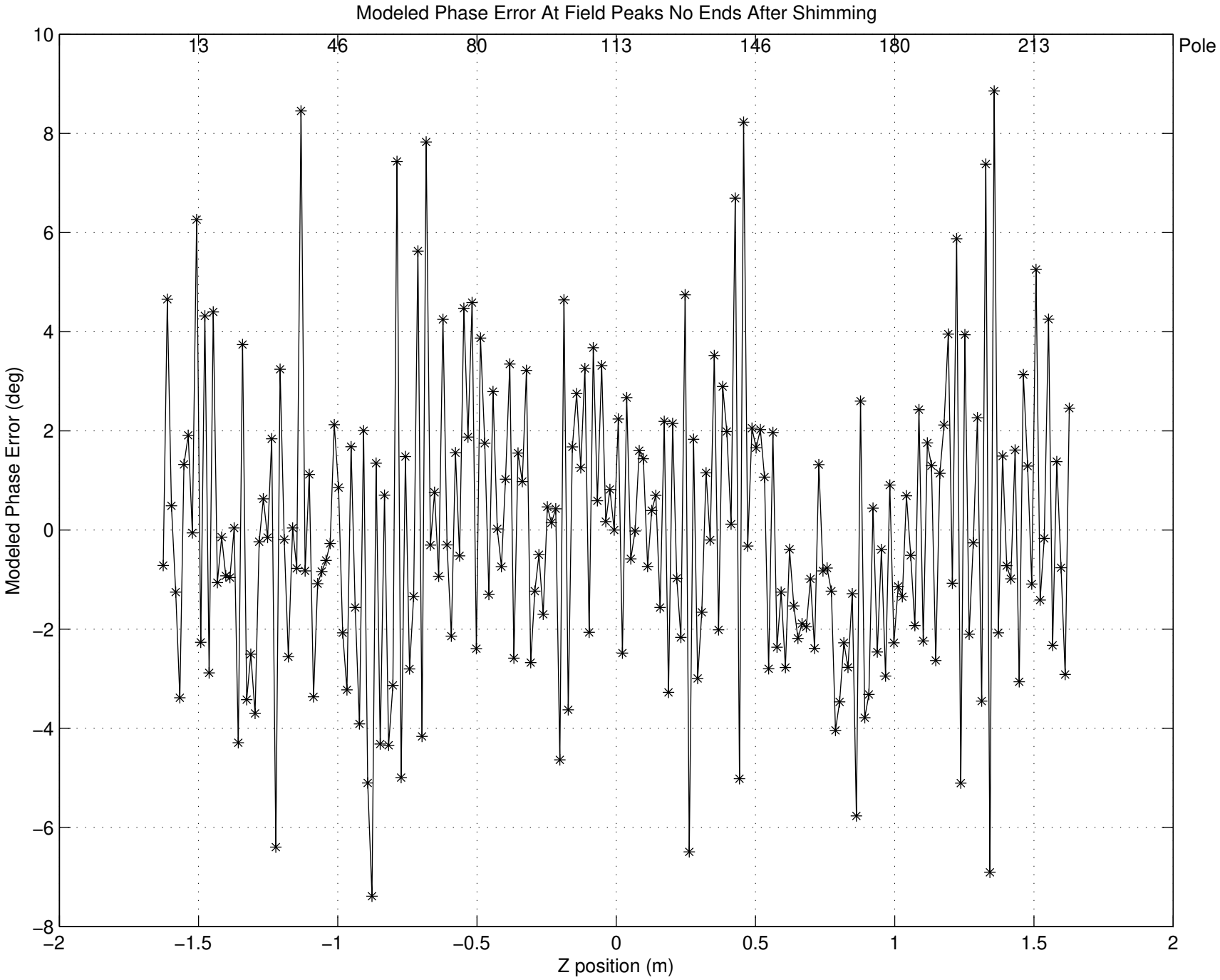
SLAC Magnetic Measurements
Date: 05−07−2012
Time: 09:38:14

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−31
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 23
Measurement Type: Z Scans
Operator: YL
Comment: check, exit phase corrected
Session first run: 22
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−31\DATASET0006\Fine Tuning\Z Scans\Run 023\bscanz.dat

Temperature (C)
L143−112000−31:−−> T1 20.00 −−> T2 19.97 −−> T5 19.93 −−> T3 19.97 −−> Air 19.91 −−> T4 19.95

Axes position (m) X:0.029922 Y:0.000285
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001062 V
Vy_0i = −0.003347 V



Phase Error: Ave = −0.000000 deg, RMS = 2.968297 deg