SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

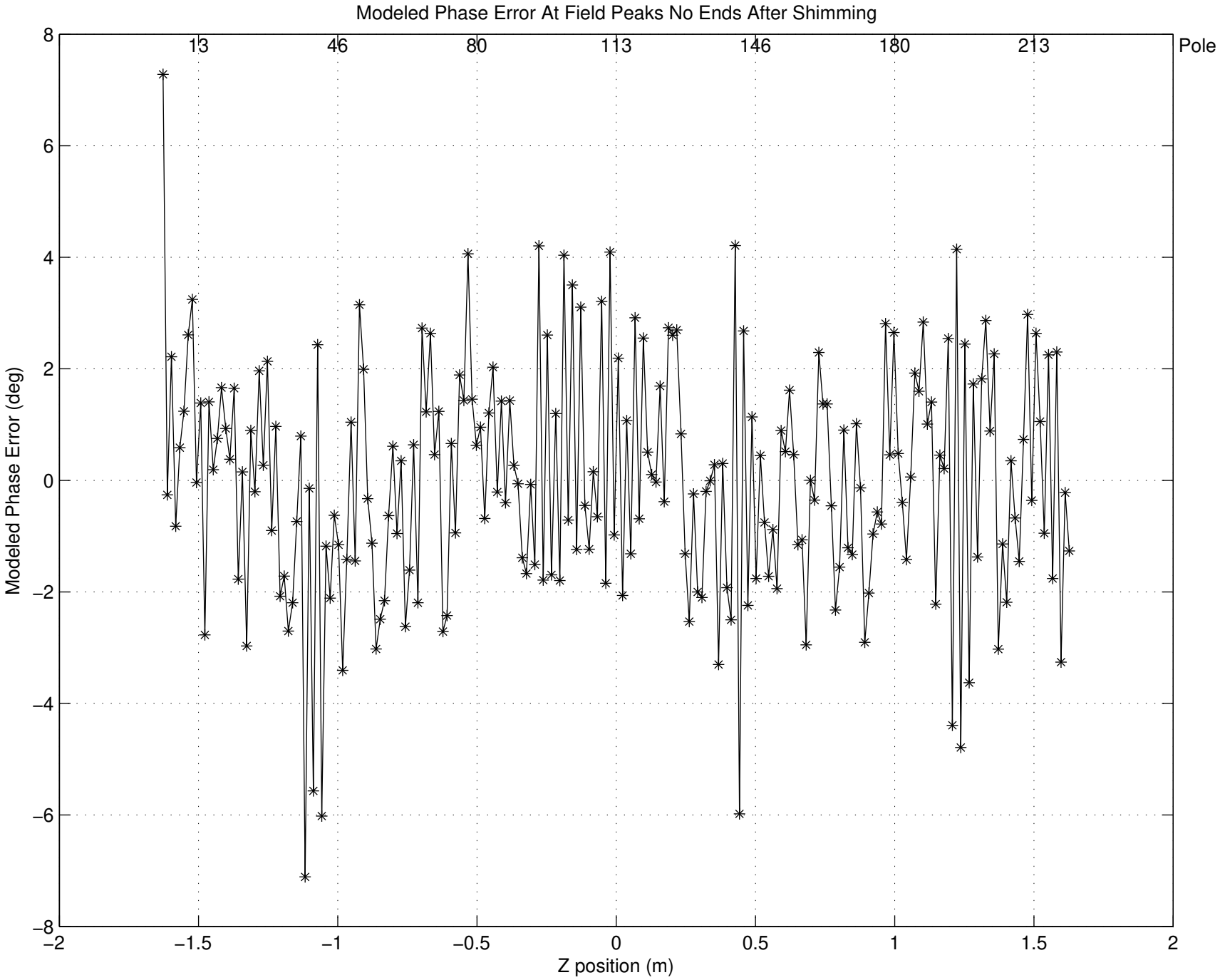
SLAC Magnetic Measurements
Date: 03−01−2012
Time: 10:51:25

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−01
DATASET Number: 2
Tuning Stage: Fine Tuning
Run Number: 24
Measurement Type: Z Scans
Operator: YL
Comment: at min K; shims glued
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 024\bscanz.dat

Temperature (C)
L143−112000−01:−−> T1 20.01 −−> T2 19.99 −−> T5 19.98 −−> T3 19.99 −−> Air 20.01 −−> T4 19.98

Axes position (m) X:0.030165 Y:0.000209
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001060 V
Vy_0i = −0.003559 V



Phase Error: Ave = −0.000000 deg, RMS = 2.097028 deg