SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

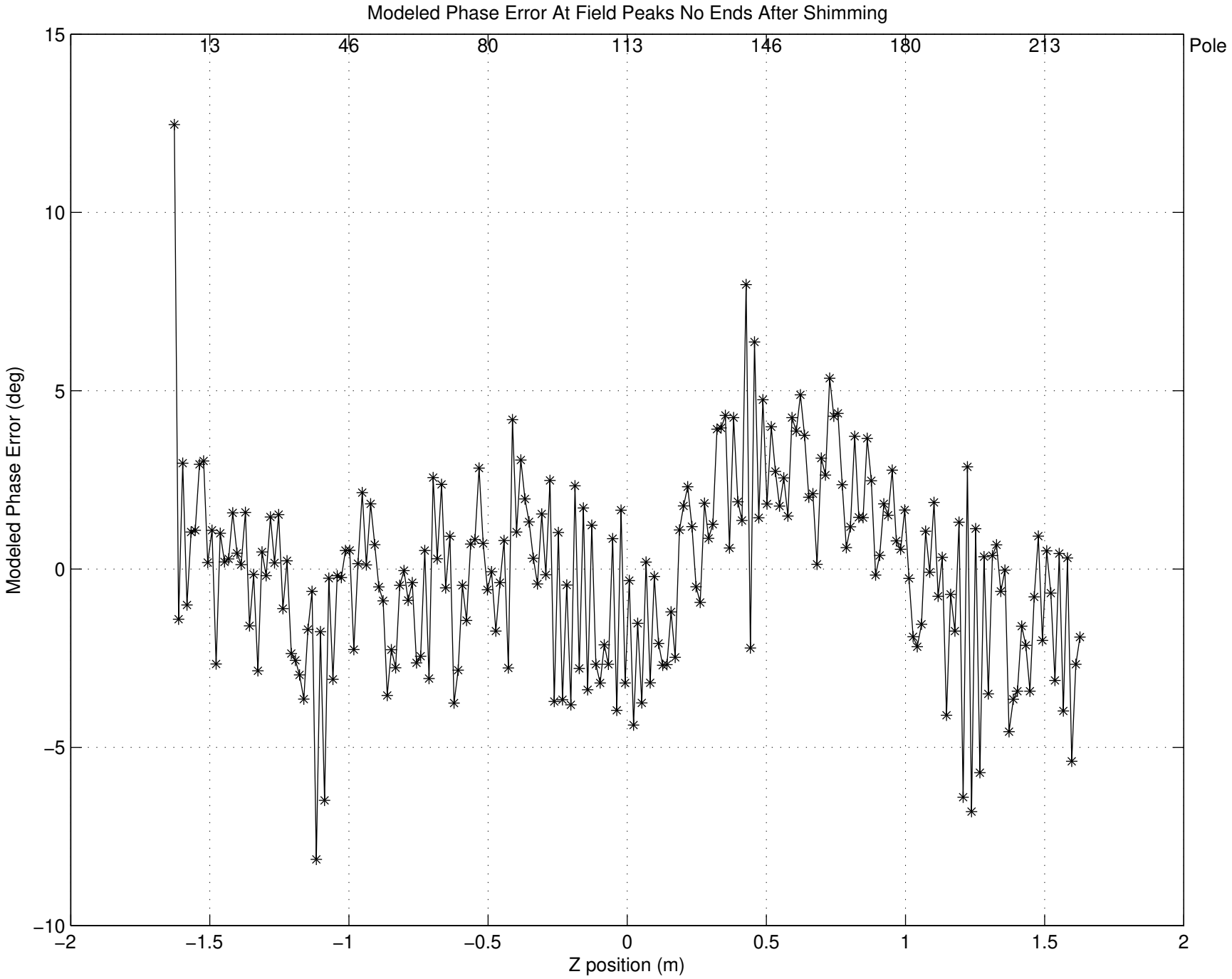
SLAC Magnetic Measurements
Date: 02−28−2012
Time: 15:43:59

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−01
DATASET Number: 2
Tuning Stage: Fine Tuning
Run Number: 18
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; after third gap adjustment
Session first run: 18
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−01\DATASET0002\Fine Tuning\Z Scans\Run 018\bscanz.dat

Temperature (C)
L143−112000−01:−−> T1 20.08 −−> T2 20.06 −−> T5 20.01 −−> T3 20.06 −−> Air 20.04 −−> T4 20.03

Axes position (m) X:0.030158 Y:0.000200
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000991 V
Vy_0i = −0.003726 V



Phase Error: Ave = −0.000000 deg, RMS = 2.674112 deg