SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

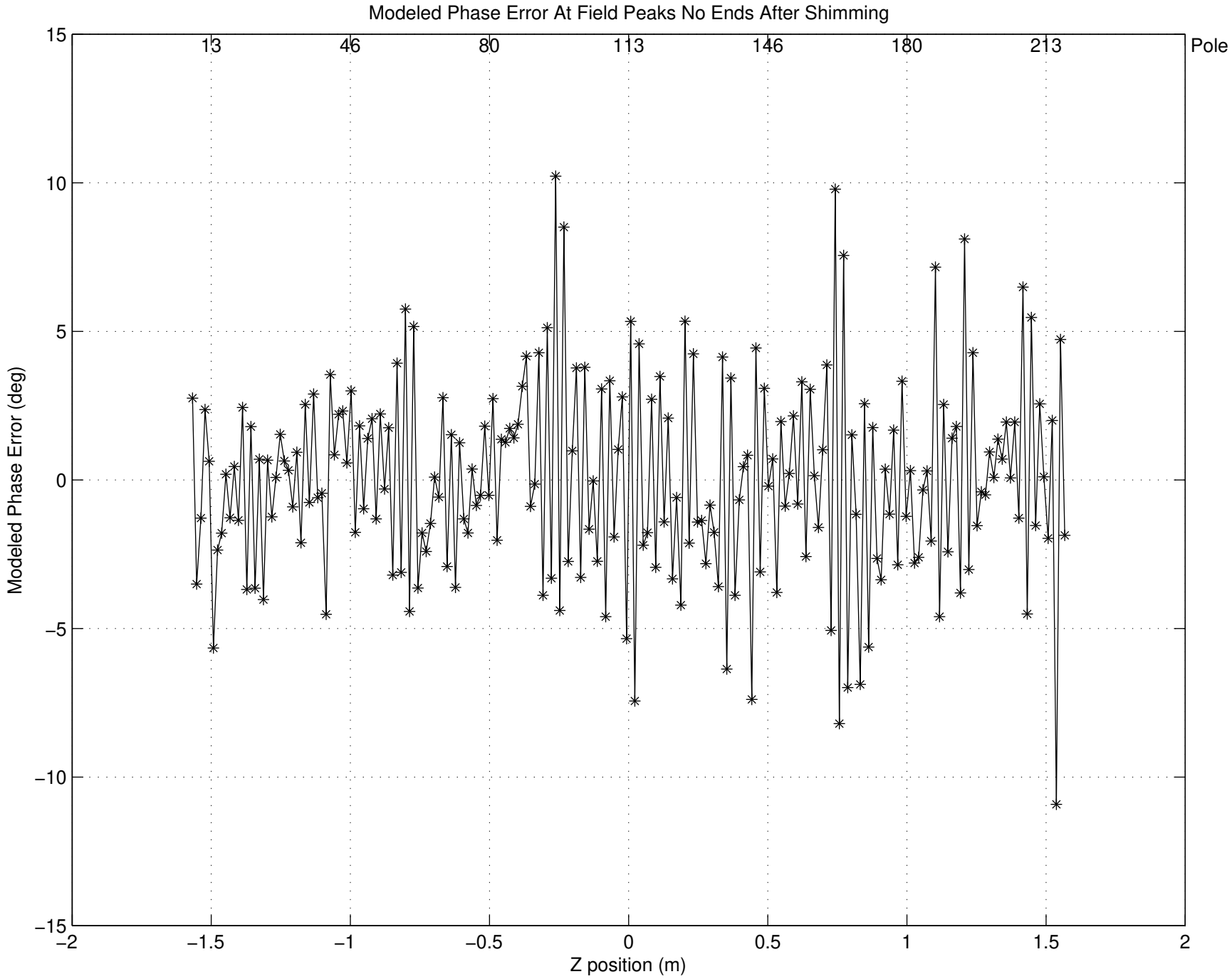
SLAC Magnetic Measurements
Date: 06−01−2010
Time: 10:05:45

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 23
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K before final scans; large gap
Session first run: 23
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0004\Fine Tuning\Z Scans\Run 023\bscanz.dat

Temperature (C)
L143−112000−32:−−> T5 19.95 −−> T2 19.96 −−> T1 19.98 −−> T3 19.97 −−> Air 20.02 −−> T4 19.96

Axes position (m) X:0.026438 Y:0.000338
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001337 V
$Vy_0i$ = −0.002963 V




Phase Error: Ave = −0.000000 deg, RMS = 3.311196 deg