SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

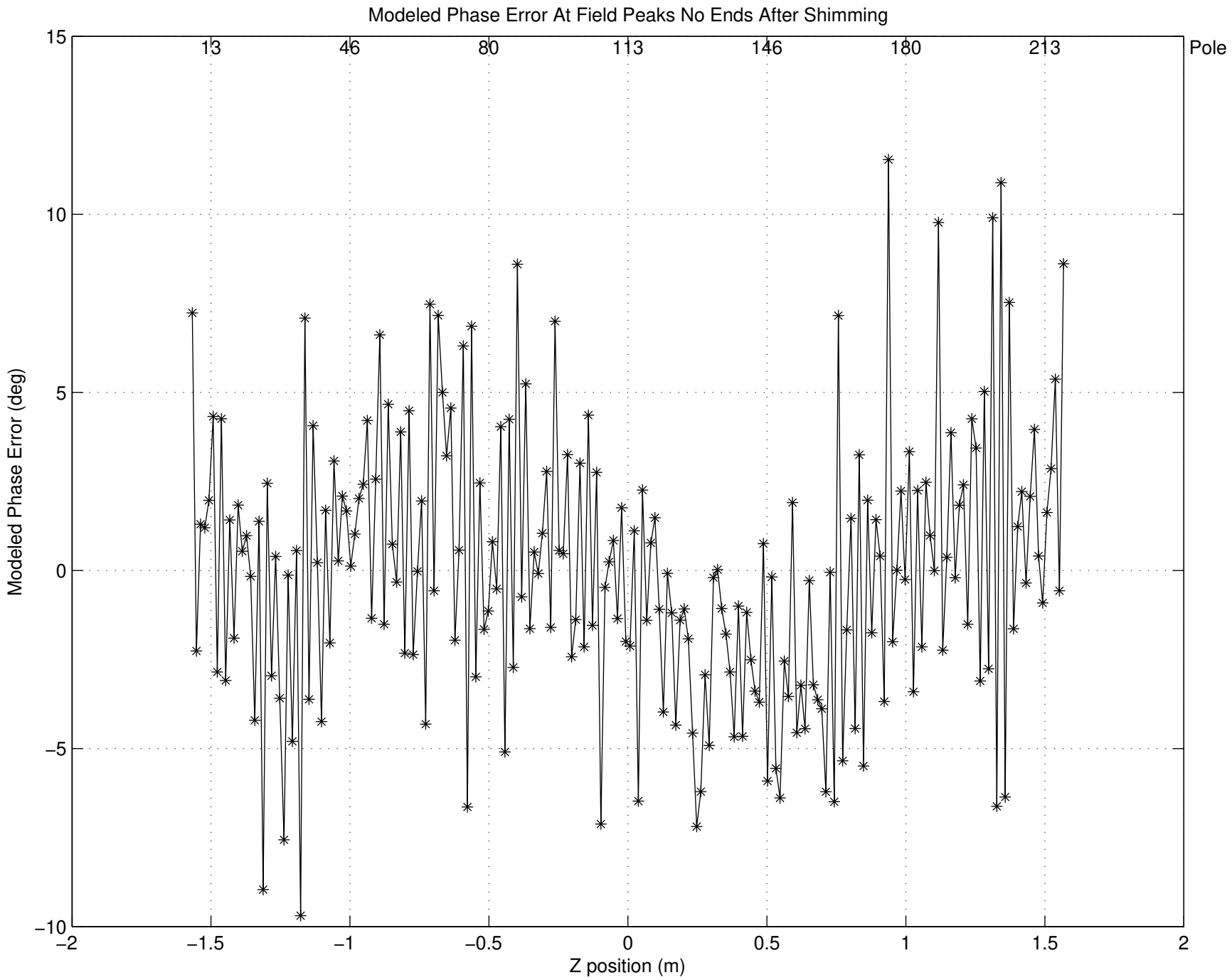
SLAC Magnetic Measurements
Date: 01−28−2011
Time: 11:40:09

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−36
DATASET Number: 2
Tuning Stage: Fine Tuning
Run Number: 2
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−36\DATASET0002\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−36:−−> T5 20.08 −−> T2 20.13 −−> T1 20.16 −−> T3 20.14 −−> Air 20.07 −−> T4 20.12

Axes position (m) X:0.029114 Y:0.000594
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001141 V
Vy_0i = −0.003482 V



Phase Error: Ave = −0.000000 deg, RMS = 3.843171 deg