SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

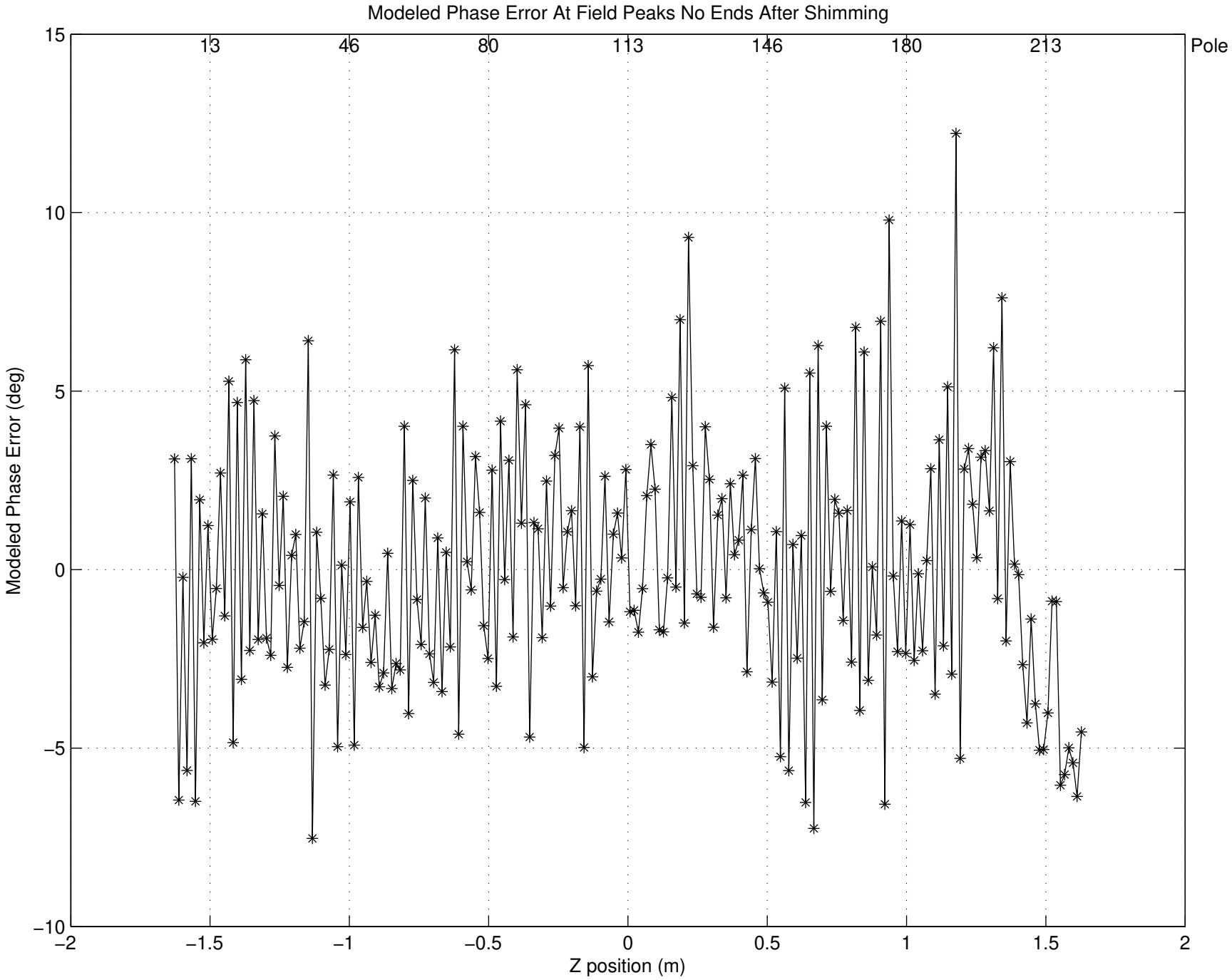
SLAC Magnetic Measurements
Date: 01−06−2014
Time: 13:23:23

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−24
DATASET Number: 3
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\L143−112000−24\DATASET0003\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−24:−−> T1 19.84 −−> T2 19.82 −−> T5 19.81 −−> T3 19.82 −−> Air 19.91 −−> T4 19.82

Axes position (m) X:0.029402 Y:0.000156
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001221 V
Vy_0i = −0.003440 V



Phase Error: Ave = −0.000000 deg, RMS = 3.501503 deg