SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

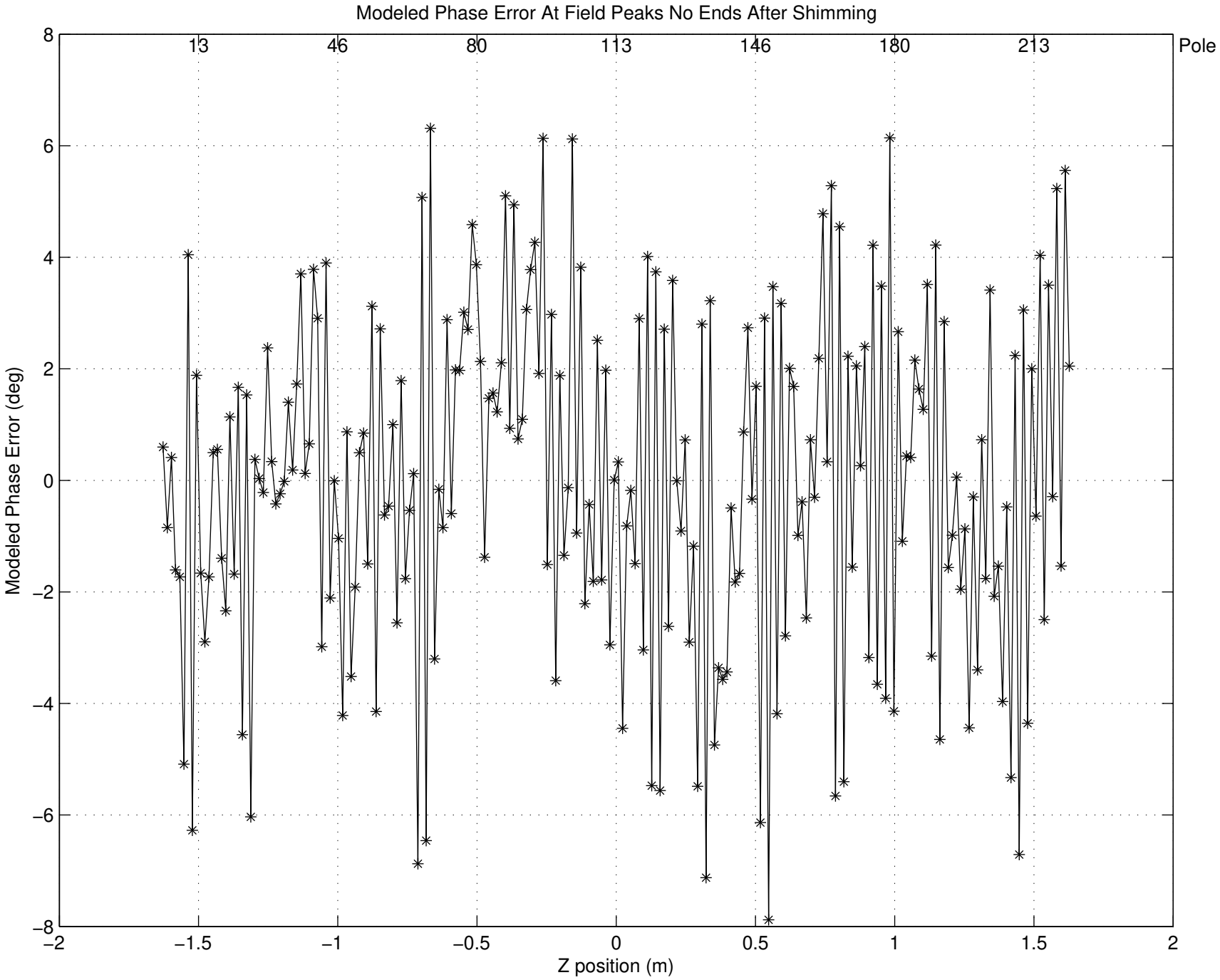
SLAC Magnetic Measurements
Date: 02−06−2014
Time: 09:05:23

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−25
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 10
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 9
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−25\DATASET0003\Fine Tuning\Z Scans\Run 010\bscanz.dat

Temperature (C)
L143−112000−25:−−> T1 19.91 −−> T2 19.90 −−> T5 19.83 −−> T3 19.91 −−> Air 19.80 −−> T4 19.88

Axes position (m) X:0.029733 Y:0.000127
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001198 V
Vy_0i = −0.003248 V



Phase Error: Ave = 0.000000 deg, RMS = 3.046552 deg