SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

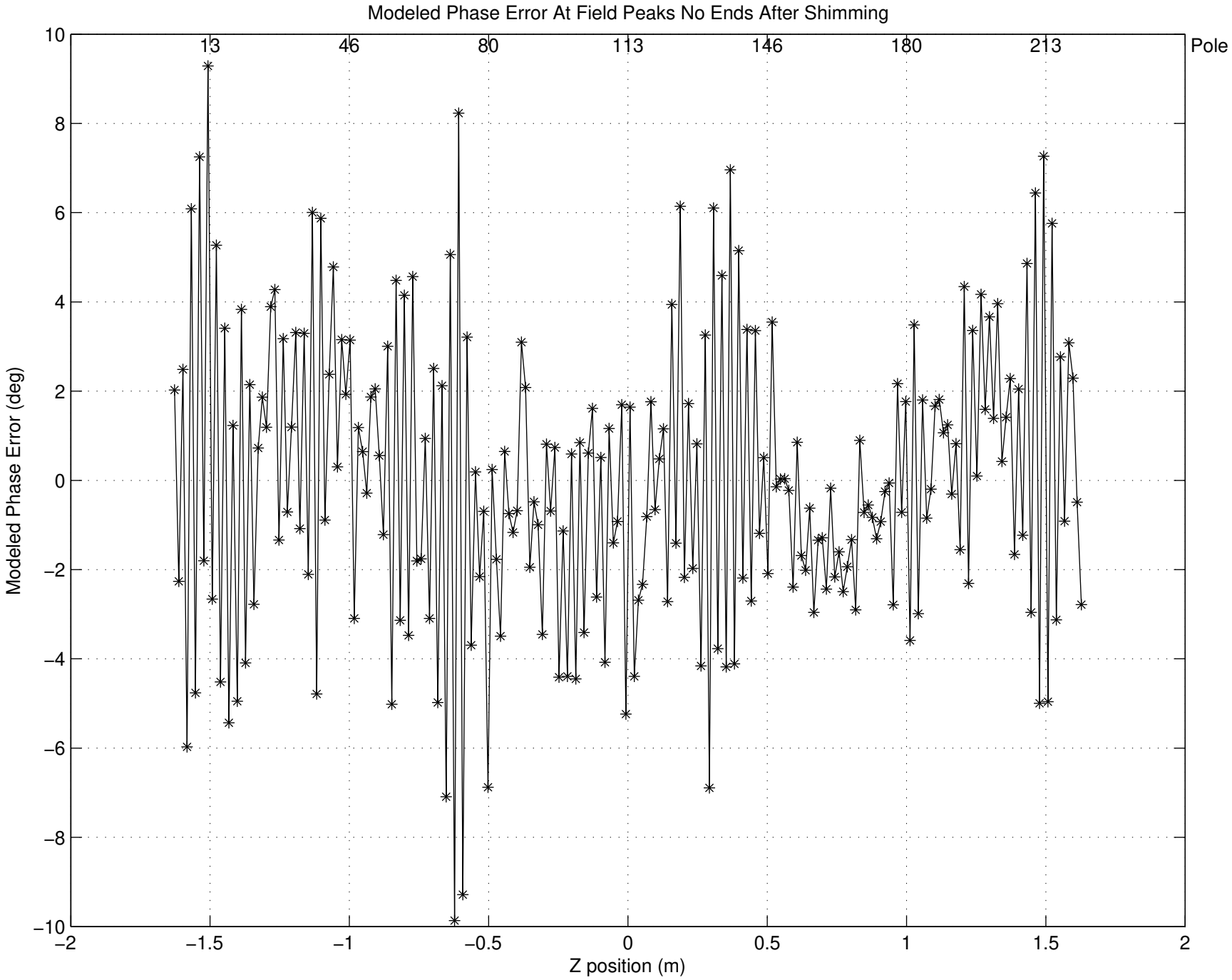
SLAC Magnetic Measurements
Date: 10−28−2013
Time: 14:45:55

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−08
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: at min K; round 2
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−08\DATASET0006\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−08:−−> T1 20.02 −−> T2 20.01 −−> T5 19.97 −−> T3 20.01 −−> Air 19.86 −−> T4 20.00

Axes position (m) X:0.029490 Y:0.000156
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001220 V
Vy_0i = −0.003081 V



Phase Error: Ave = 0.000000 deg, RMS = 3.276954 deg