SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

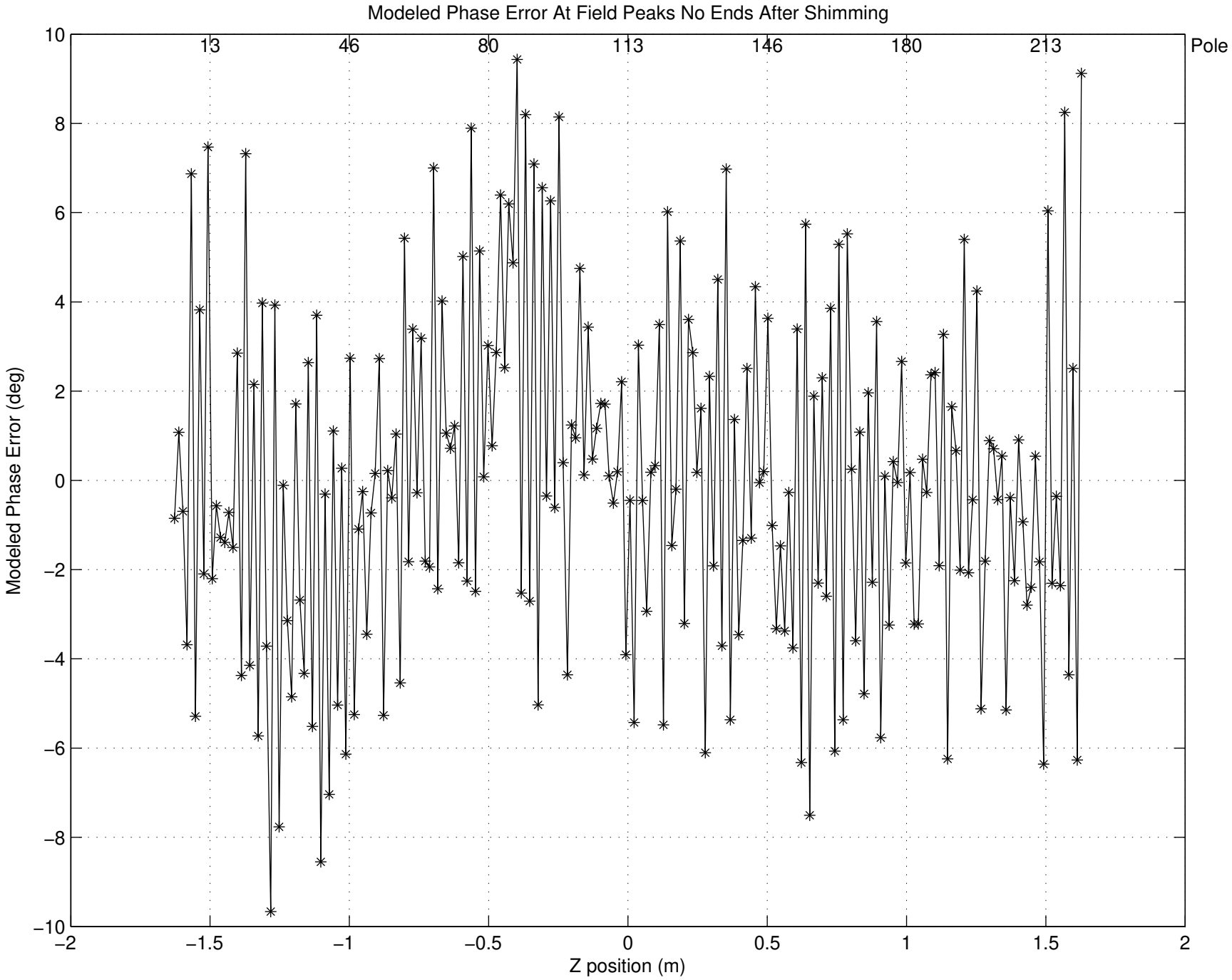
SLAC Magnetic Measurements
Date: 10−24−2013
Time: 09:04:00

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−37
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−37\DATASET0006\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−37:−−> T1 19.97 −−> T2 19.95 −−> T5 19.89 −−> T3 19.96 −−> Air 19.94 −−> T4 19.93

Axes position (m) X:0.029771 Y:0.000164
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001230 V
Vy_0i = −0.003071 V



Phase Error: Ave = 0.000000 deg, RMS = 3.826294 deg