SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

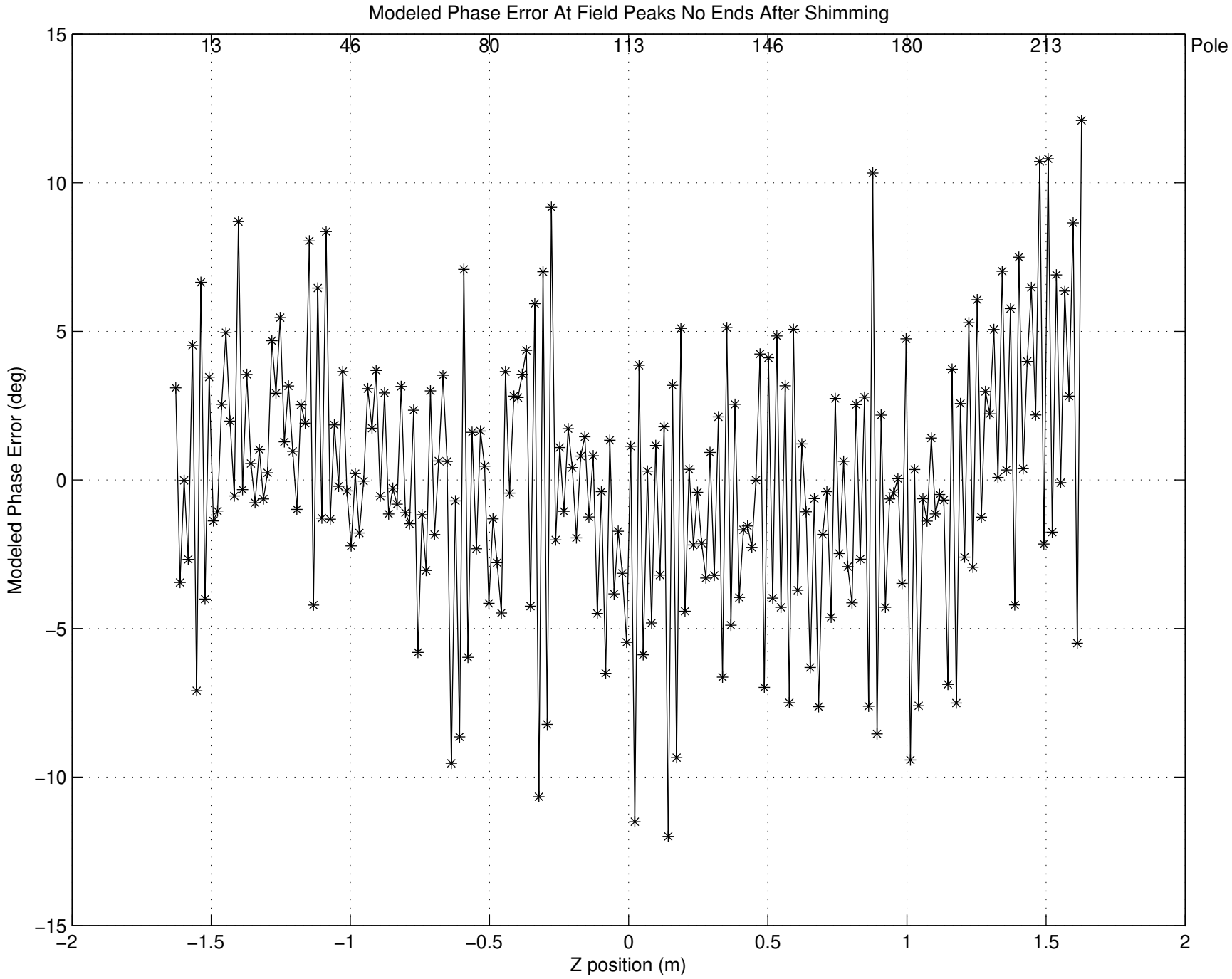
SLAC Magnetic Measurements
Date: 04−14−2014
Time: 10:27:26

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−05
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−05\DATASET0003\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−05:−−> T1 20.03 −−> T2 19.99 −−> T5 19.96 −−> T3 19.99 −−> Air 19.93 −−> T4 19.96

Axes position (m) X:0.030006 Y:0.000265
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001248 V
Vy_0i = −0.003036 V



Phase Error: Ave = −0.000000 deg, RMS = 4.408175 deg