SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

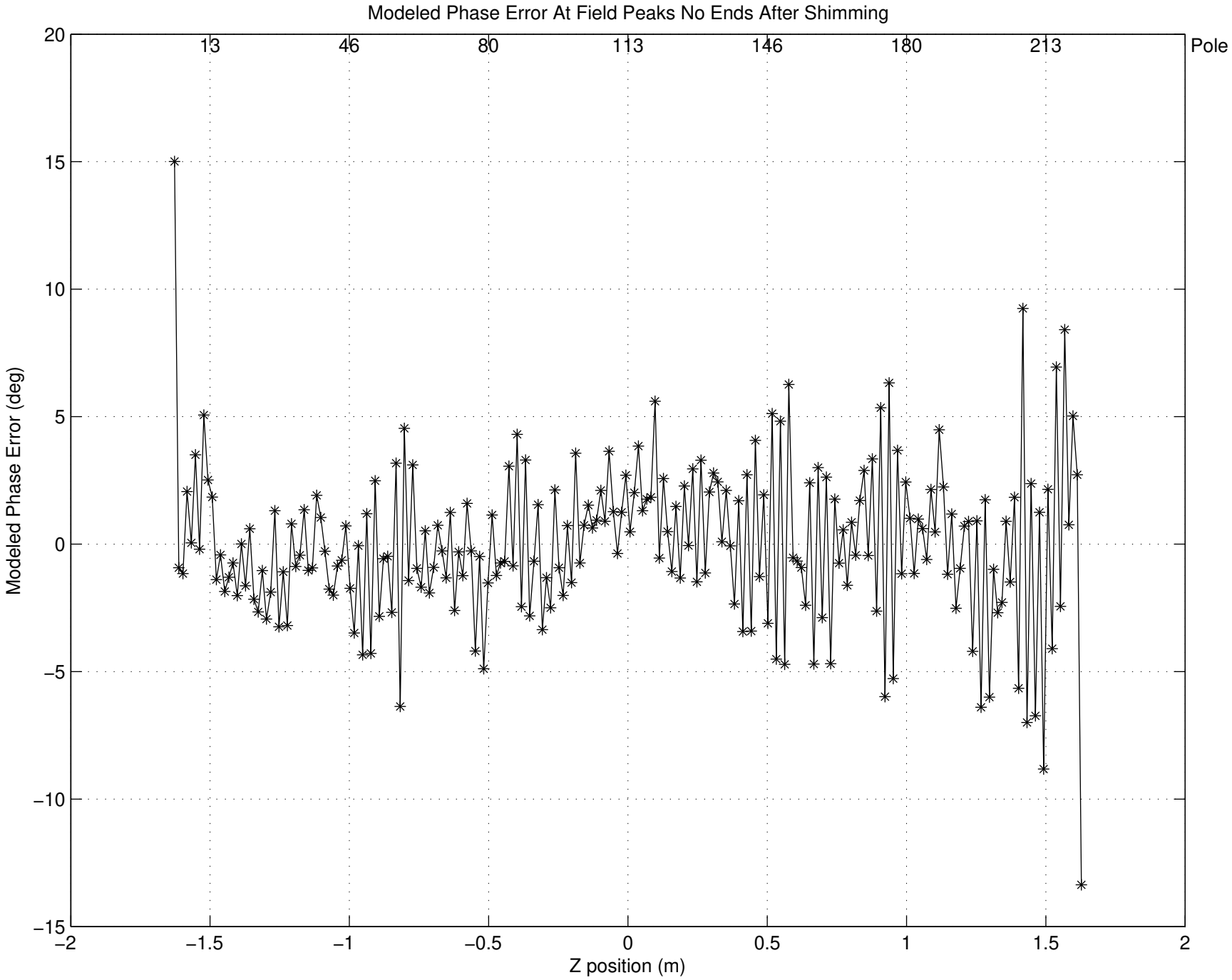
SLAC Magnetic Measurements
Date: 12−05−2013
Time: 14:33:36

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−10
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\L143−112000−10\DATASET0003\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−10:−−> T1 19.97 −−> T2 19.96 −−> T5 19.94 −−> T3 19.96 −−> Air 20.03 −−> T4 19.95

Axes position (m) X:0.029473 Y:0.000110
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001147 V
Vy_0i = −0.003428 V



Phase Error: Ave = 0.000000 deg, RMS = 3.140098 deg