SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

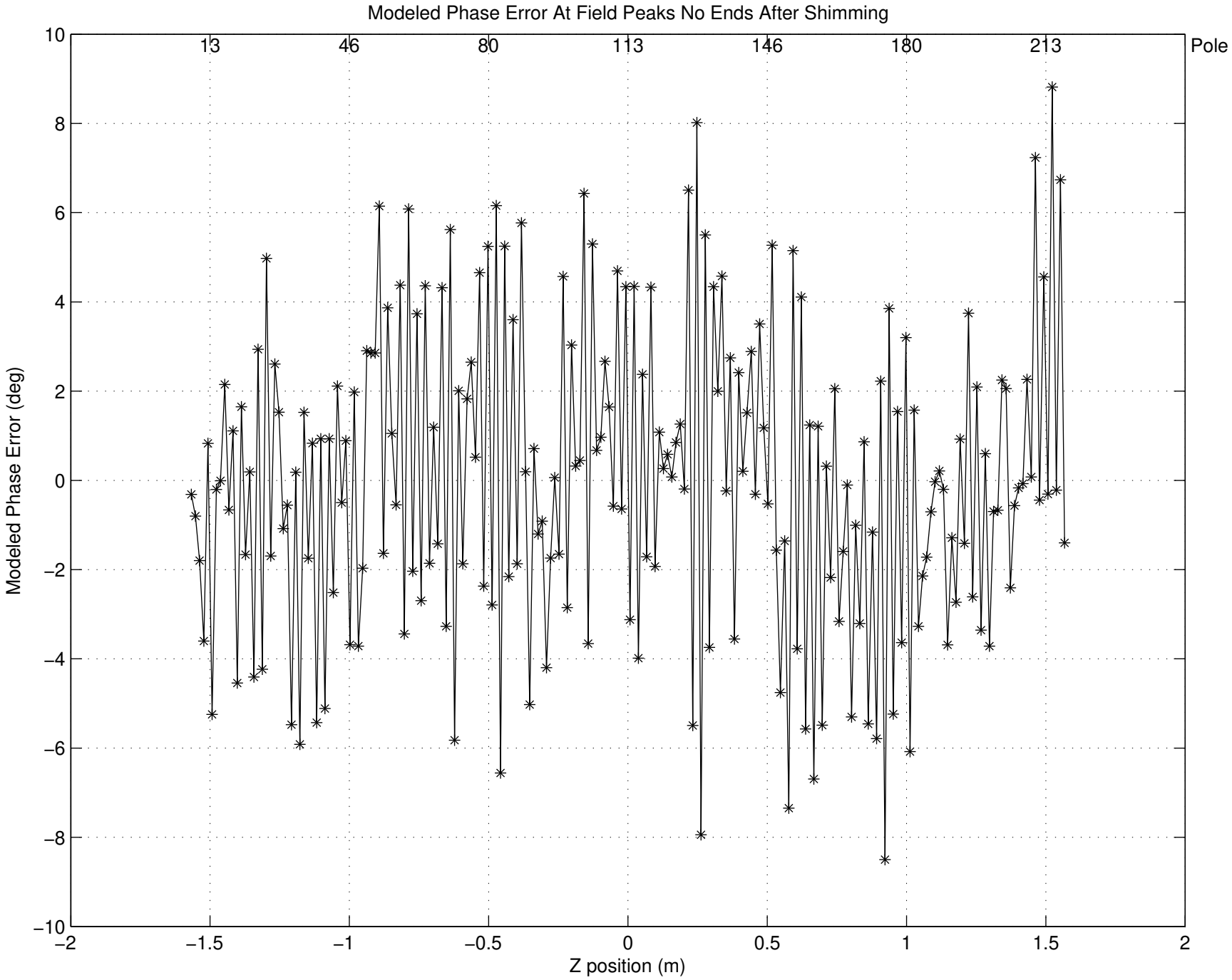
SLAC Magnetic Measurements
Date: 06−15−2010
Time: 09:50:17

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 31
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\L143−112000−13\DATASET0031\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−13:−−> T5 19.93 −−> T2 19.95 −−> T1 19.97 −−> T3 19.95 −−> Air 20.04 −−> T4 19.95

Axes position (m) X:0.027057 Y:0.000423
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001230 V
Vy_0i = −0.002992 V



Phase Error: Ave = 0.000000 deg, RMS = 3.404077 deg