SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

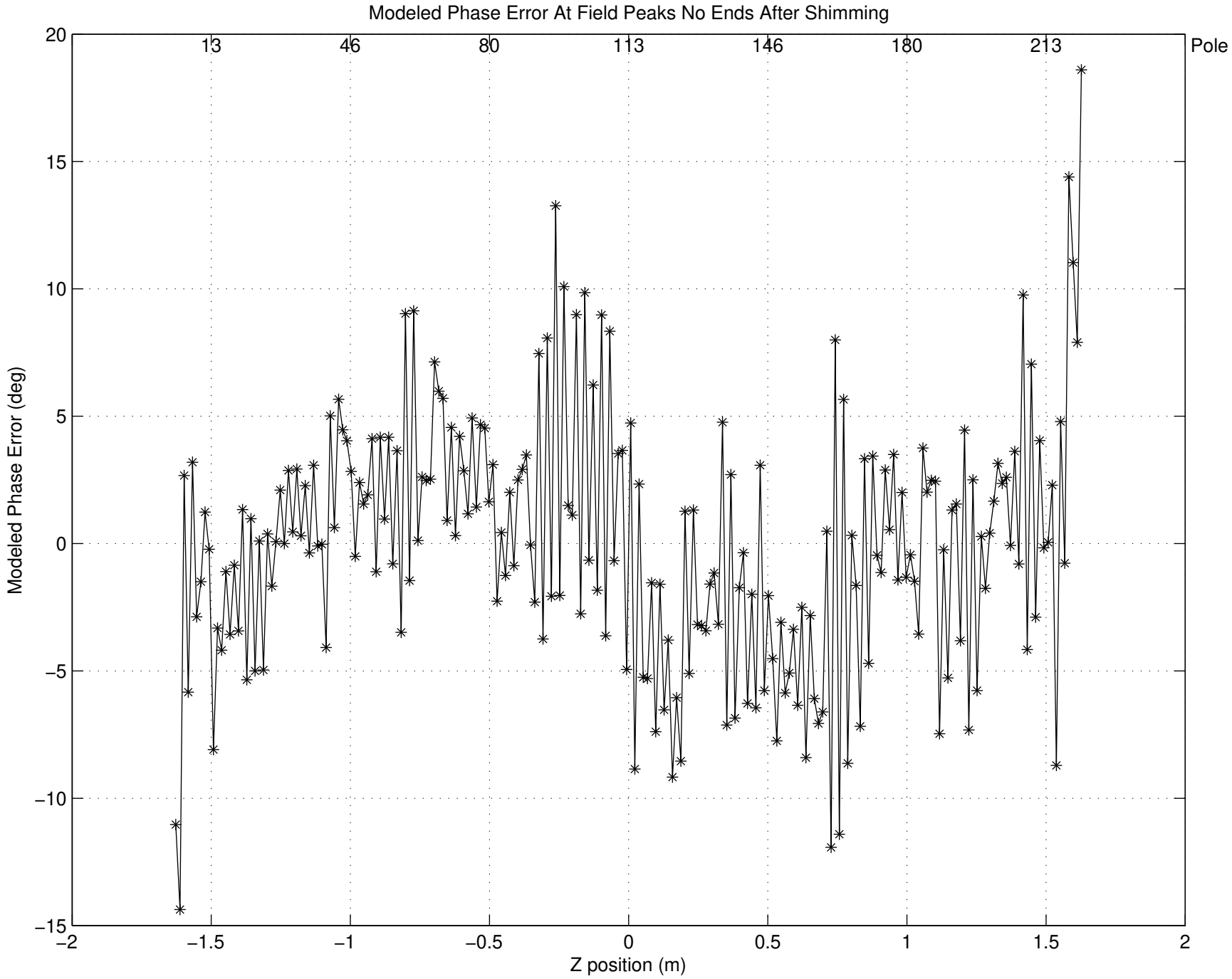
SLAC Magnetic Measurements
Date: 05−18−2010
Time: 15:02:37

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 12
Measurement Type: Z Scans
Operator: YL
Comment: tuning; large gap
Session first run: 11
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0004\Fine Tuning\Z Scans\Run 012\bscanz.dat

Temperature (C)
L143−112000−32:−−> T5 19.99 −−> T2 19.98 −−> T1 20.00 −−> T3 19.99 −−> Air 20.02 −−> T4 20.00

Axes position (m) X:0.026330 Y:0.000344
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001370 V
Vy_0i = −0.002834 V



Phase Error: Ave = 0.000000 deg, RMS = 4.951653 deg