SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

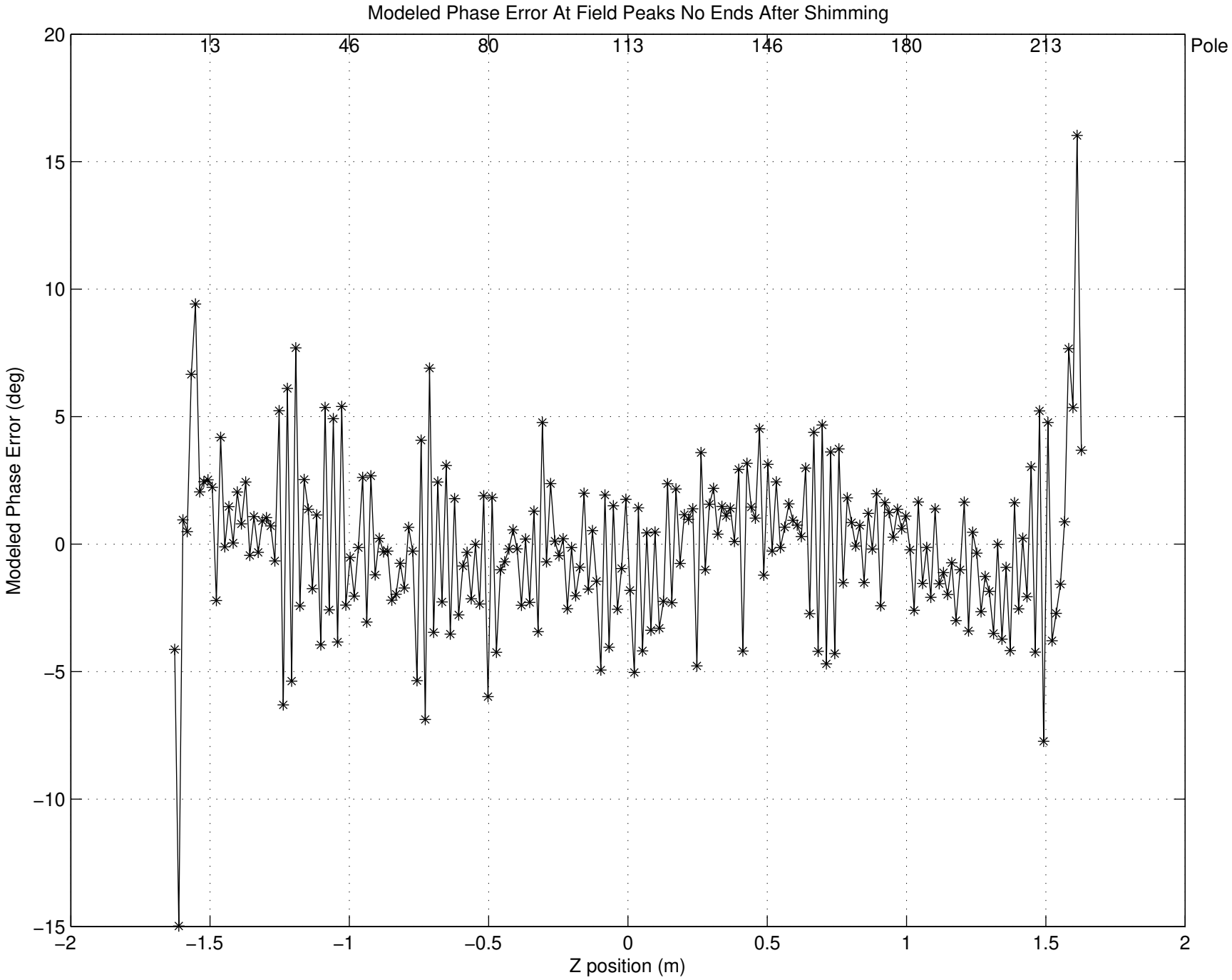
SLAC Magnetic Measurements
Date: 05−24−2010
Time: 10:48:54

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 18
Measurement Type: Z Scans
Operator: YL
Comment: final; large gap
Session first run: 16
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0003\Fine Tuning\Z Scans\Run 018\bscanz.dat

Temperature (C)
L143−112000−18:−−> T5 19.97 −−> T2 19.98 −−> T1 19.99 −−> T3 19.99 −−> Air 20.03 −−> T4 19.99

Axes position (m) X:0.026185 Y:0.000320
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001368 V
Vy_0i = −0.003060 V



Phase Error: Ave = 0.000000 deg, RMS = 3.223634 deg