SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

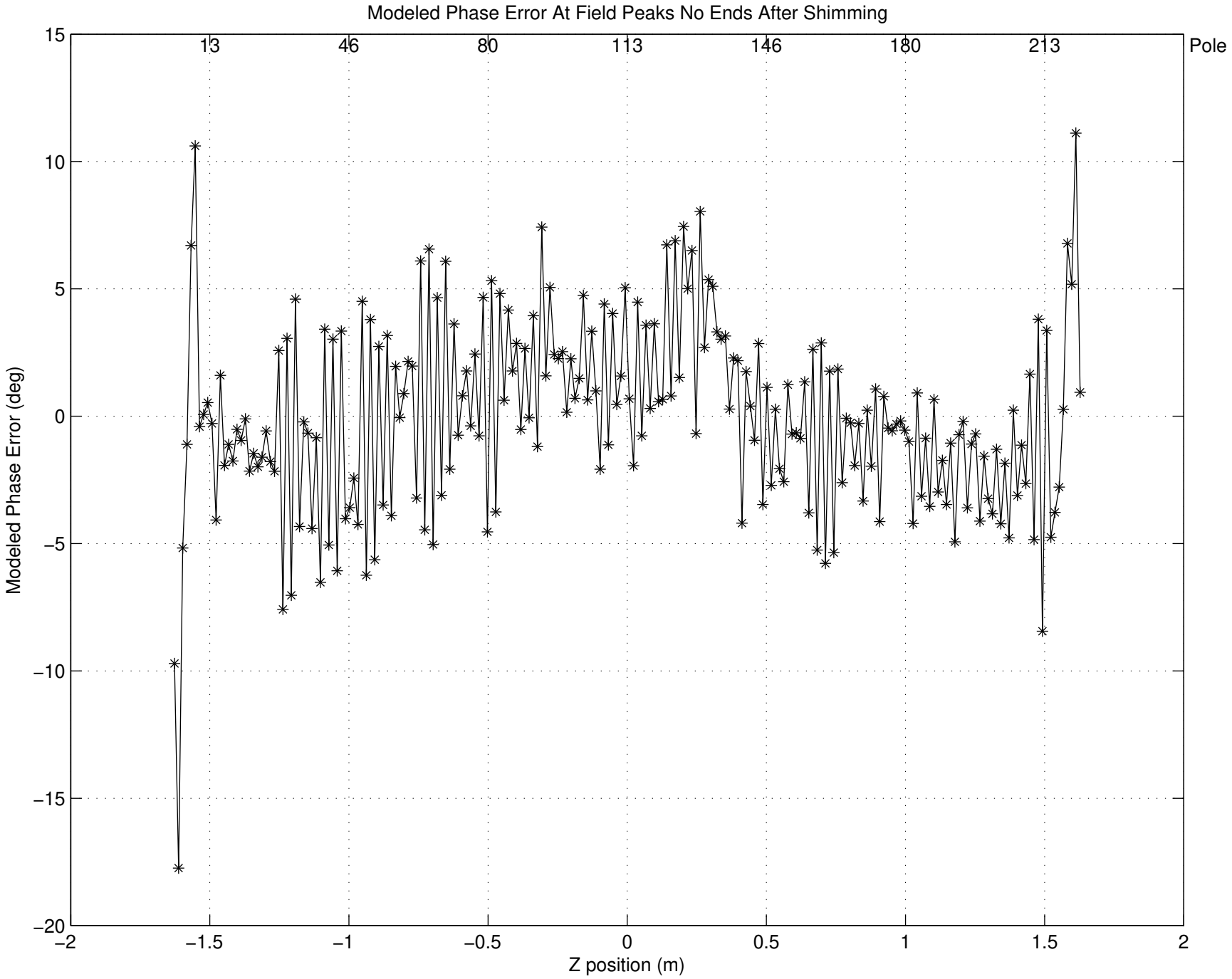
SLAC Magnetic Measurements
Date: 05−19−2010
Time: 11:40:23

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 13
Measurement Type: Z Scans
Operator: YL
Comment: tuning; large gap
Session first run: 13
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0003\Fine Tuning\Z Scans\Run 013\bscanz.dat

Temperature (C)
L143−112000−18:−−> T5 19.98 −−> T2 19.96 −−> T1 19.98 −−> T3 19.97 −−> Air 20.04 −−> T4 19.98

Axes position (m) X:0.026026 Y:0.000339
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001295 V
Vy_0i = −0.002931 V



Phase Error: Ave = −0.000000 deg, RMS = 3.746177 deg