SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

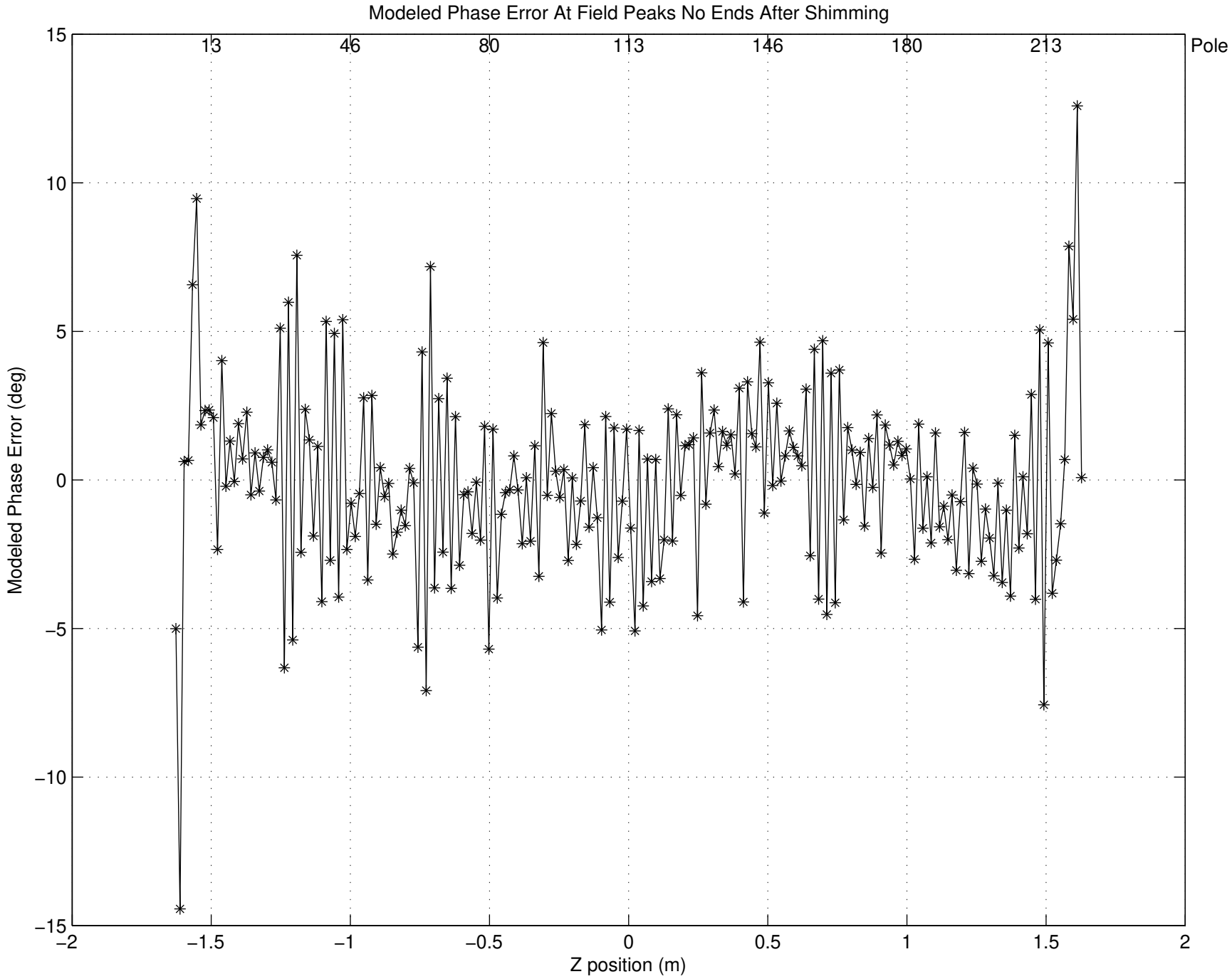
SLAC Magnetic Measurements
Date: 05−20−2010
Time: 16:40:13

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 15
Measurement Type: Z Scans
Operator: YL
Comment: tuning; large gap
Session first run: 15
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0003\Fine Tuning\Z Scans\Run 015\bscanz.dat

Temperature (C)
L143−112000−18:−−> T5 20.02 −−> T2 20.05 −−> T1 20.03 −−> T3 20.06 −−> Air 20.09 −−> T4 20.04

Axes position (m) X:0.026122 Y:0.000330
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001328 V
Vy_0i = −0.002949 V



Phase Error: Ave = −0.000000 deg, RMS = 3.130453 deg