SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

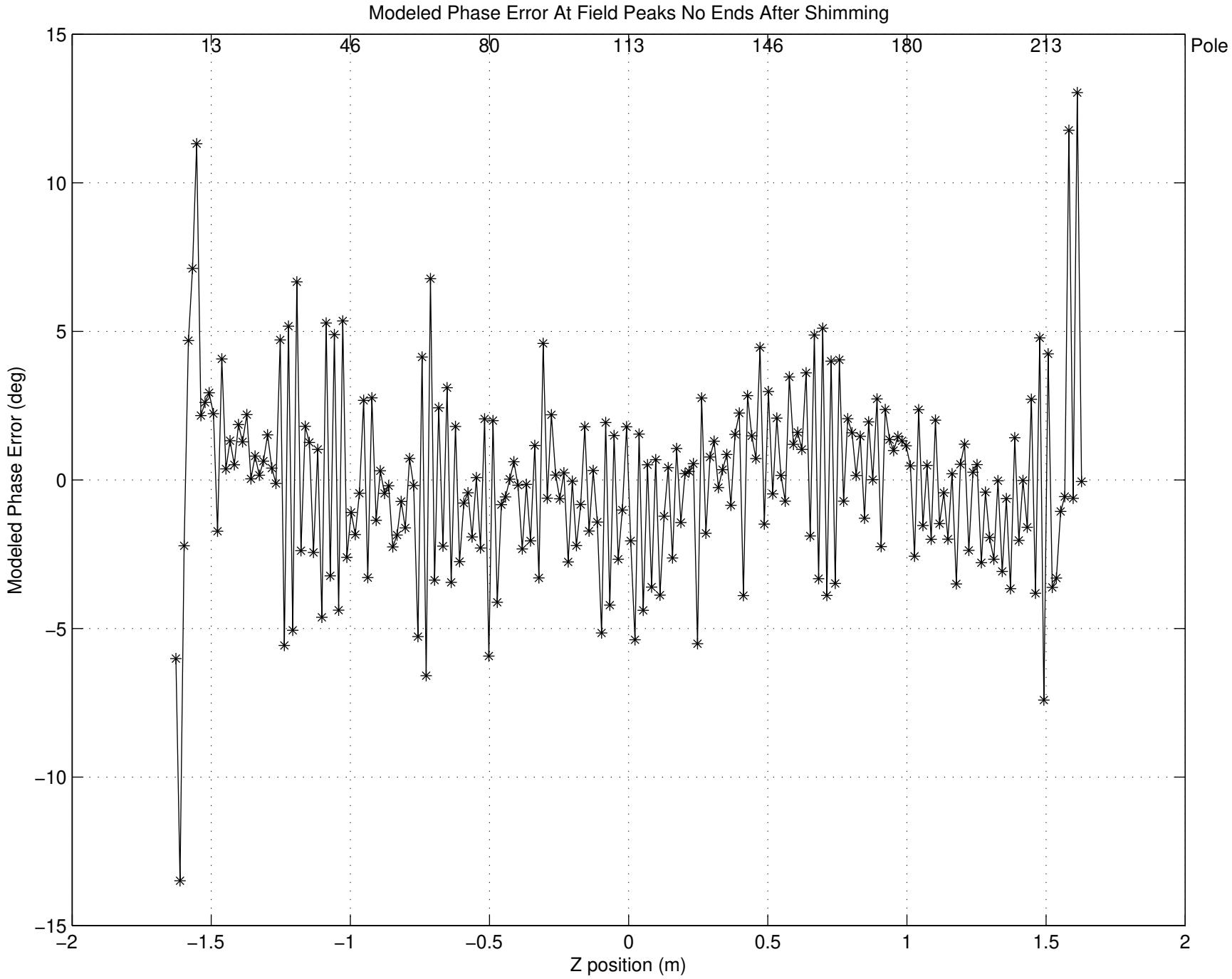
SLAC Magnetic Measurements
Date: 05−19−2010
Time: 14:28:17

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 14
Measurement Type: Z Scans
Operator: YL
Comment: tuning; large gap
Session first run: 14
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0003\Fine Tuning\Z Scans\Run 014\bscanz.dat

Temperature (C)
L143−112000−18:−−> T5 19.99 −−> T2 20.00 −−> T1 20.00 −−> T3 20.01 −−> Air 20.06 −−> T4 20.04

Axes position (m) X:0.026025 Y:0.000336
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001298 V
Vy_0i = −0.002852 V



Phase Error: Ave = 0.000000 deg, RMS = 3.172033 deg