SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

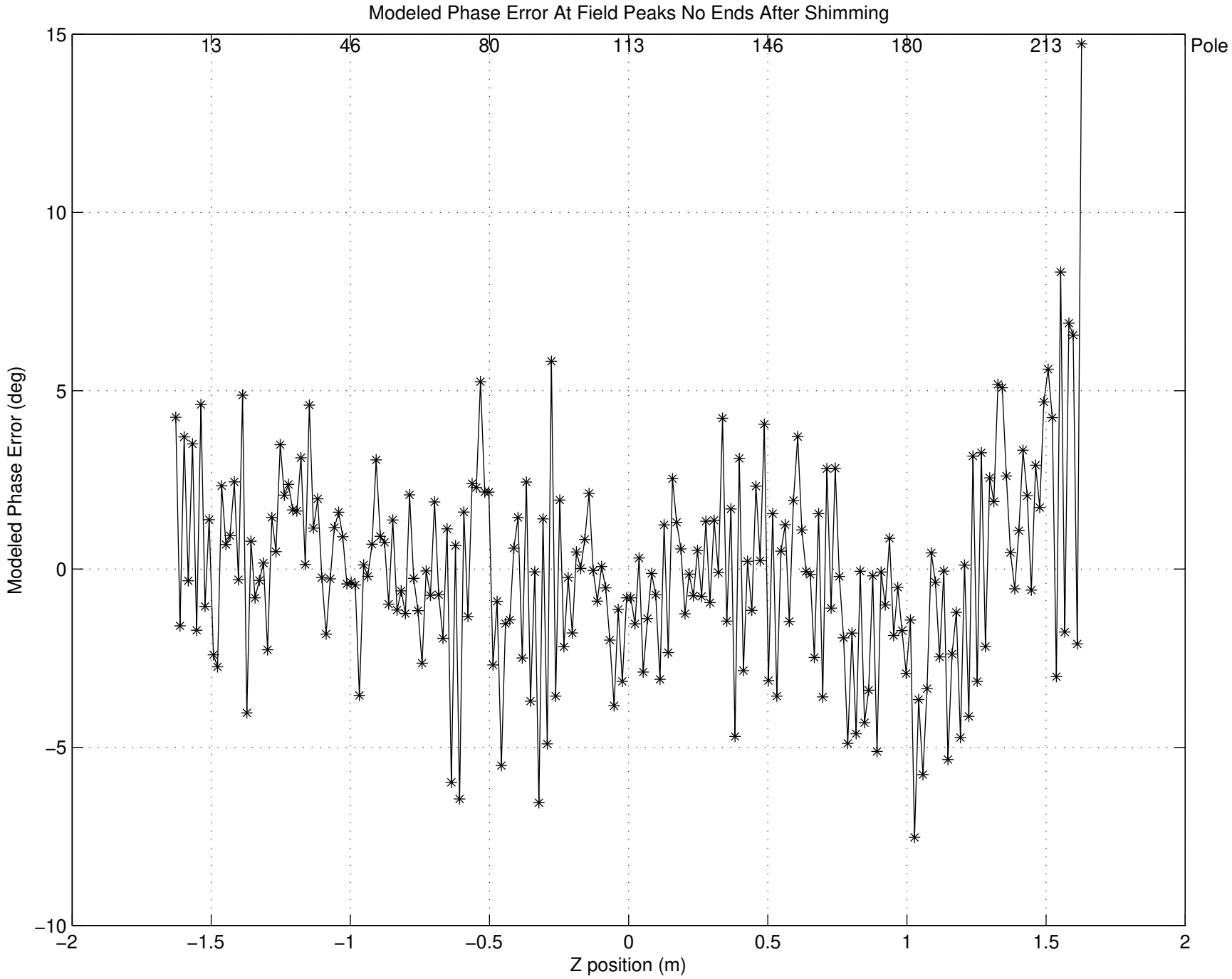
SLAC Magnetic Measurements
Date: 09−06−2011
Time: 10:47:47

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−11
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 21
Measurement Type: Z Scans
Operator: YL
Comment: tuning; after third gap adjustment
Session first run: 21
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−11\DATASET0003\Fine Tuning\Z Scans\Run 021\bscanz.dat

Temperature (C)
L143−112000−11:−−> T1 20.00 −−> T2 19.99 −−> T5 19.94 −−> T3 19.99 −−> Air 20.07 −−> T4 19.97

Axes position (m) X:0.027725 Y:0.000279
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001171 V
Vy_0i = −0.002930 V



Phase Error: Ave = 0.000000 deg, RMS = 2.864315 deg