SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

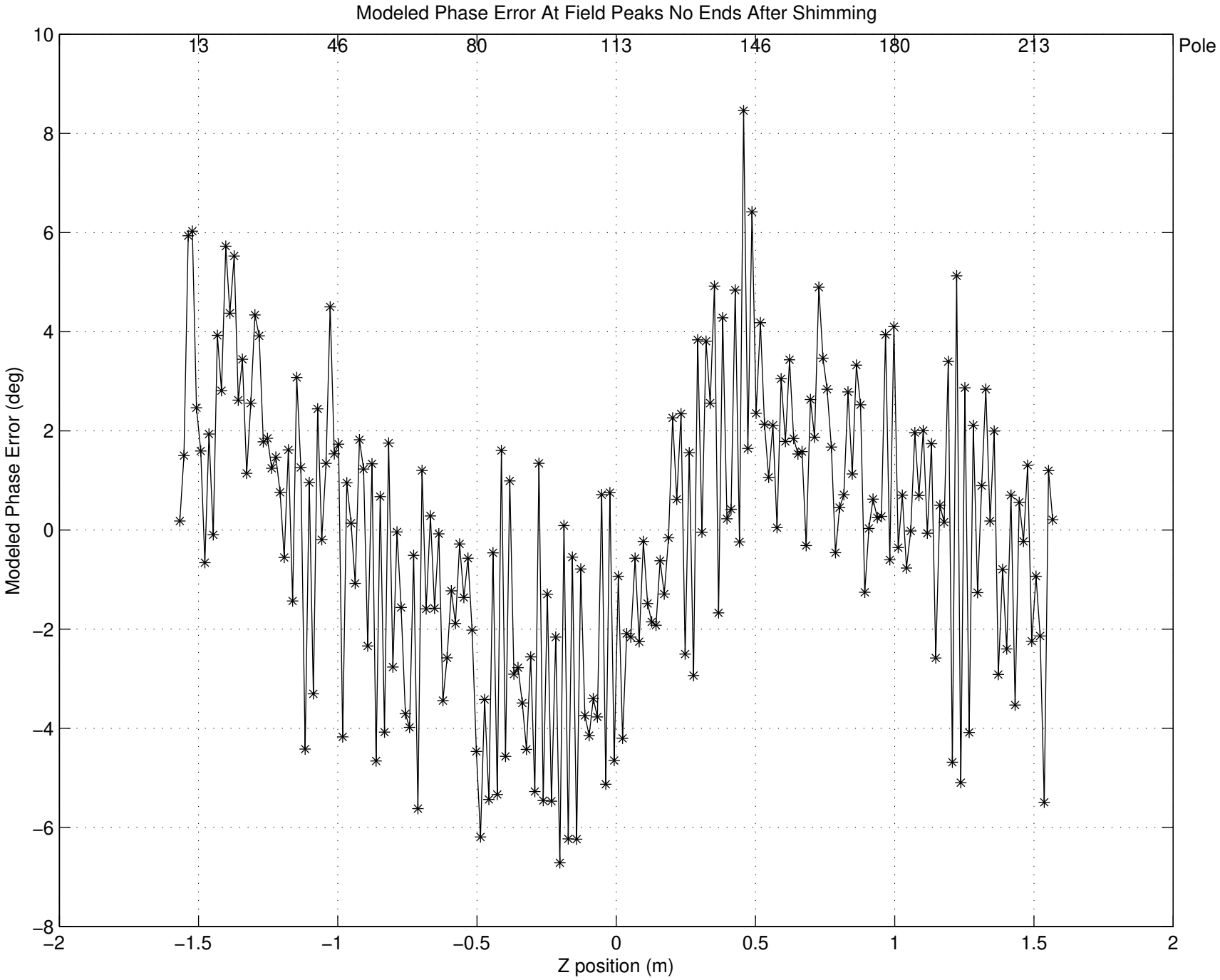
SLAC Magnetic Measurements
Date: 07−07−2010
Time: 15:30:58

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−01
DATASET Number: 1
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: check before gluing shims
Session first run: 11
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−01\DATASET0001\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−01:−−> T5 20.01 −−> T2 20.01 −−> T1 20.05 −−> T3 20.02 −−> Air 20.05 −−> T4 20.02

Axes position (m) X:0.038706 Y:0.000284
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001149 V
Vy_0i = −0.002876 V



Phase Error: Ave = 0.000000 deg, RMS = 2.900479 deg