SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

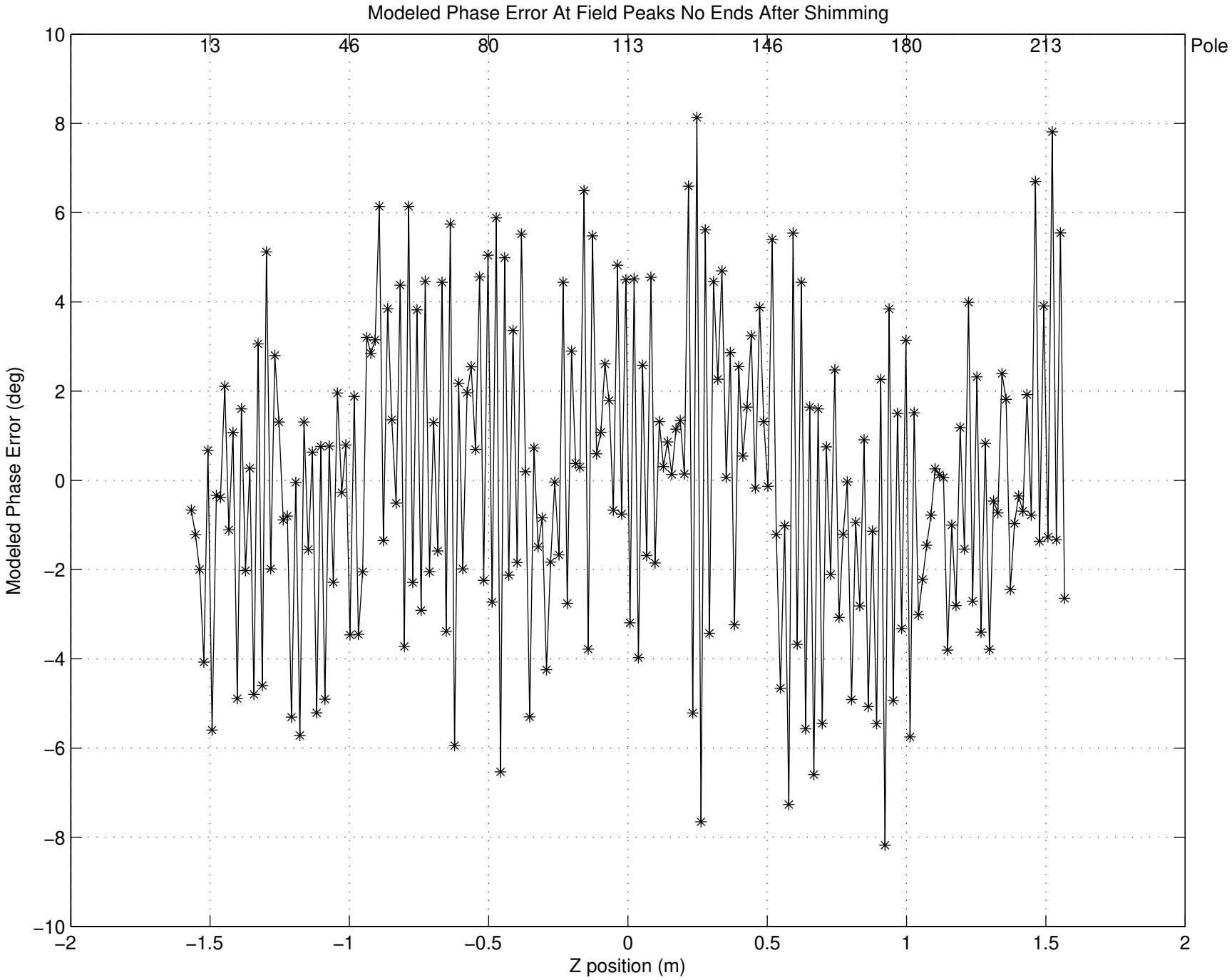
SLAC Magnetic Measurements
Date: 09−27−2010
Time: 09:49:42

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 32
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: at nominal K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0032\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−13:−−> T5 20.02 −−> T2 20.04 −−> T1 20.05 −−> T3 20.04 −−> Air 20.14 −−> T4 20.04

Axes position (m) X:0.038391 Y:0.000353
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001291 V
Vy_0i = −0.003063 V



Phase Error: Ave = −0.000000 deg, RMS = 3.385156 deg