SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

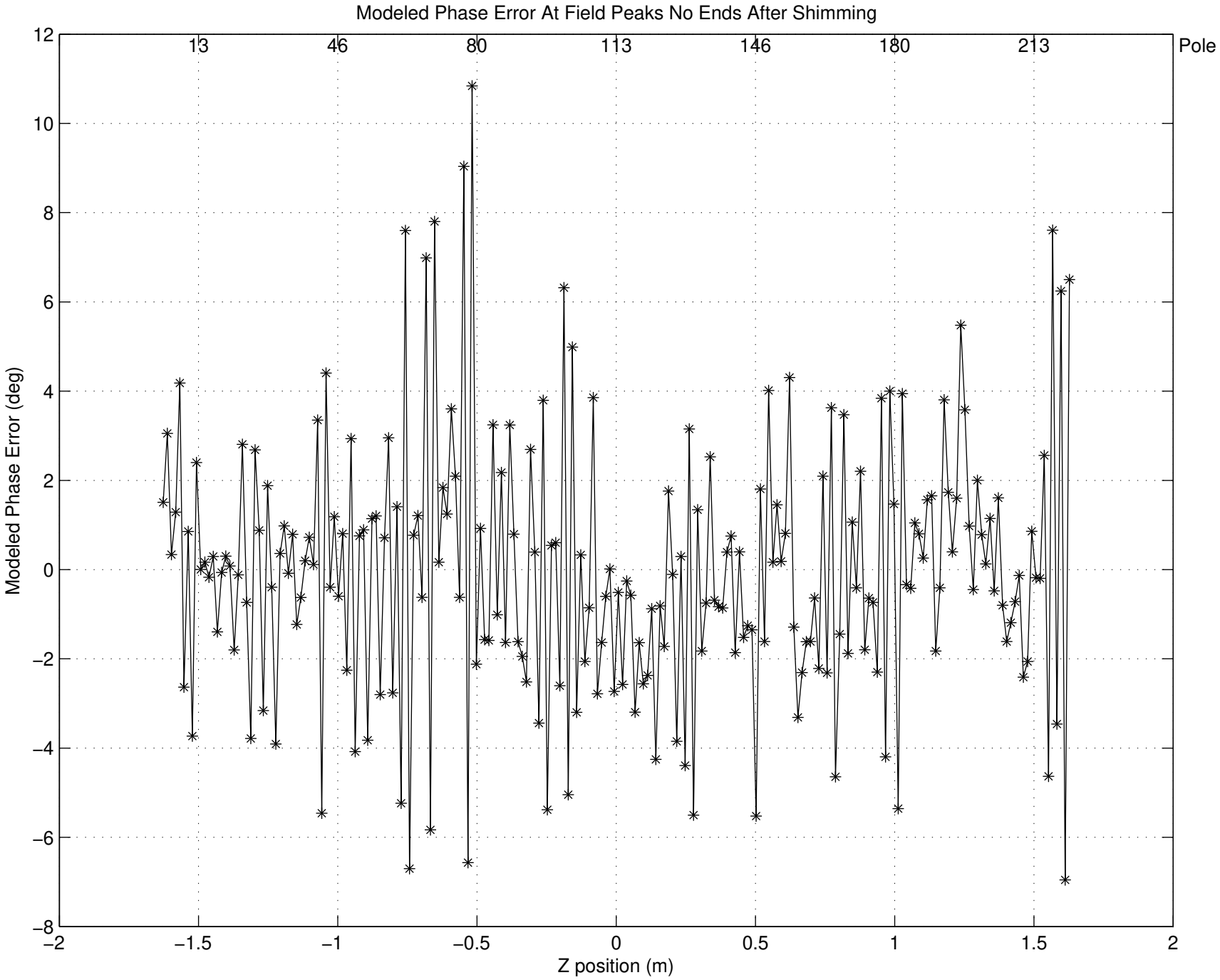
SLAC Magnetic Measurements
Date: 09−25−2012
Time: 09:29:27

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−20
DATASET Number: 8
Tuning Stage: Fine Tuning
Run Number: 12
Measurement Type: Z Scans
Operator: YL
Comment: check before gluing shims
Session first run: 12
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−20\DATASET0008\Fine Tuning\Z Scans\Run 012\bscanz.dat

Temperature (C)
L143−112000−20:−−> T1 20.10 −−> T2 20.09 −−> T5 20.03 −−> T3 20.07 −−> Air 20.03 −−> T4 20.06

Axes position (m) X:0.029989 Y:0.000275
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001045 V
Vy_0i = −0.003151 V



Phase Error: Ave = 0.000000 deg, RMS = 2.902254 deg