SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

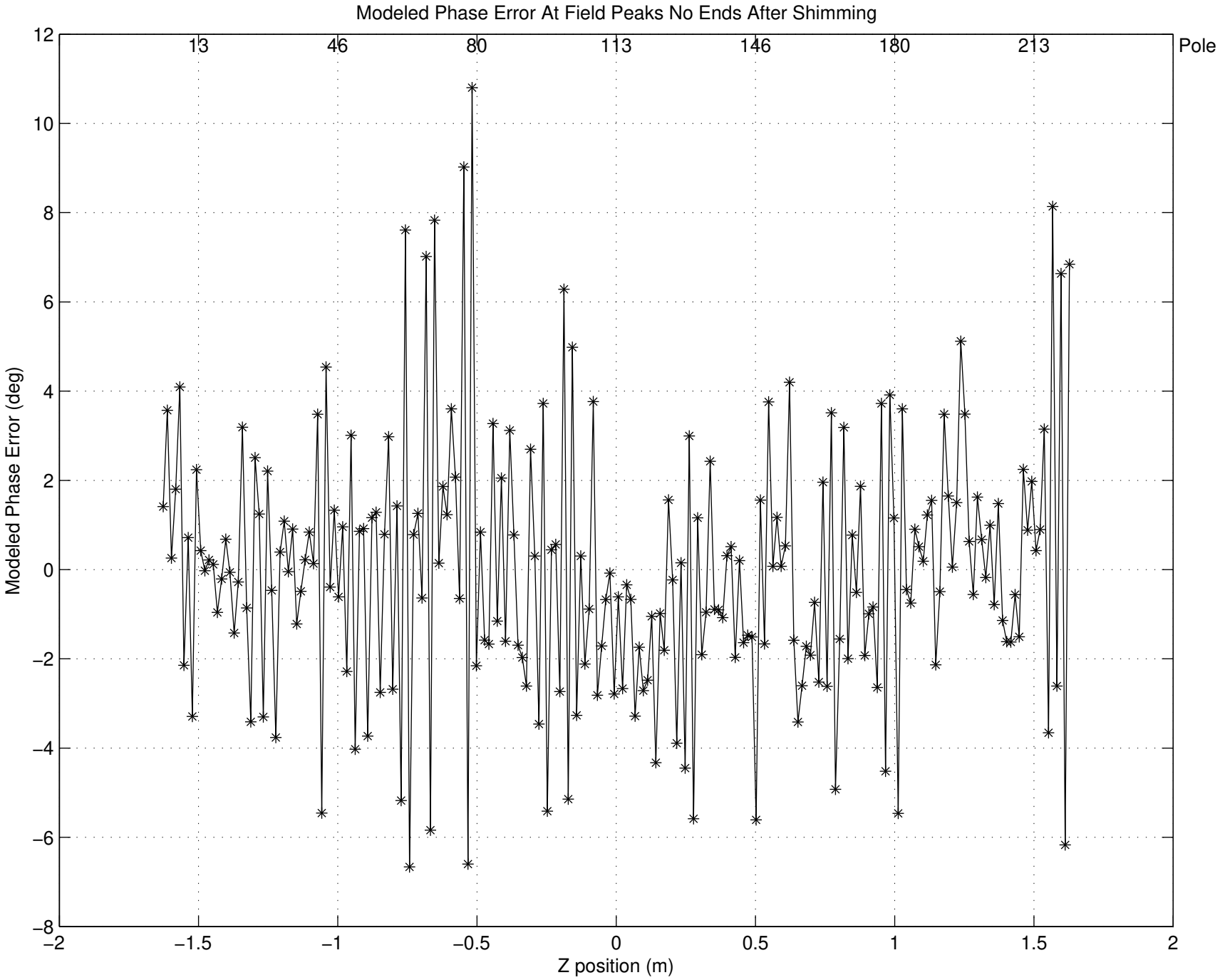
SLAC Magnetic Measurements
Date: 10−02−2012
Time: 11:08:49

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−20
DATASET Number: 8
Tuning Stage: Fine Tuning
Run Number: 15
Measurement Type: Z Scans
Operator: YL
Comment: check before final scan
Session first run: 15
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−20\DATASET0008\Fine Tuning\Z Scans\Run 015\bscanz.dat

Temperature (C)
L143−112000−20:−−> T1 20.09 −−> T2 20.08 −−> T5 20.03 −−> T3 20.08 −−> Air 19.98 −−> T4 20.07

Axes position (m) X:0.029922 Y:0.000272
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000973 V
Vy_0i = −0.003259 V



Phase Error: Ave = −0.000000 deg, RMS = 2.904871 deg