SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

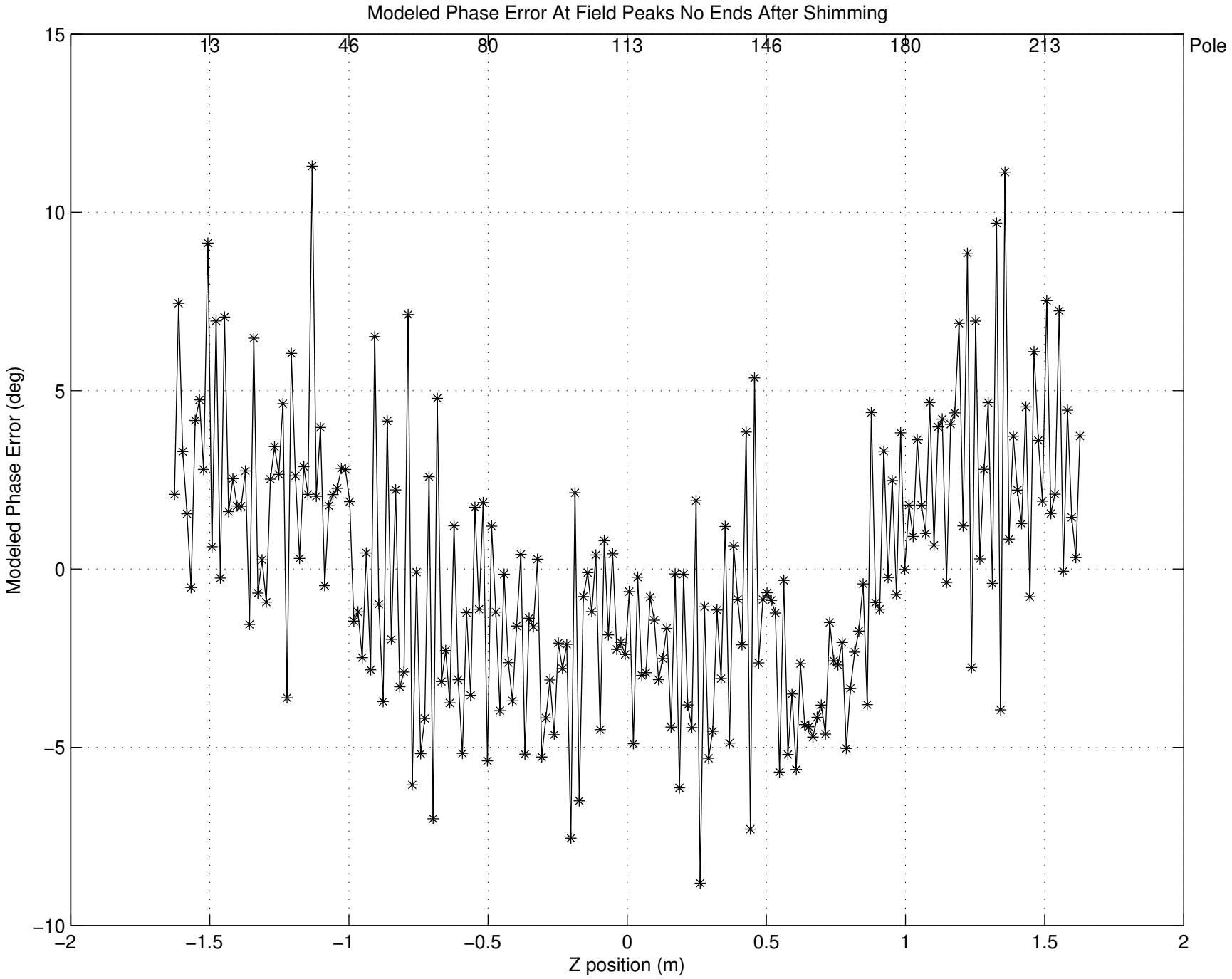
SLAC Magnetic Measurements
Date: 05−02−2012
Time: 14:16:40

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−31
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 20
Measurement Type: Z Scans
Operator: YL
Comment: final scan
Session first run: 18
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−31\DATASET0006\Fine Tuning\Z Scans\Run 020\bscanz.dat

Temperature (C)
L143−112000−31:−−> T1 19.96 −−> T2 19.96 −−> T5 19.95 −−> T3 19.97 −−> Air 19.98 −−> T4 19.97

Axes position (m) X:0.029922 Y:0.000285
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001035 V
Vy_0i = −0.003251 V



Phase Error: Ave = −0.000000 deg, RMS = 3.736391 deg