SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

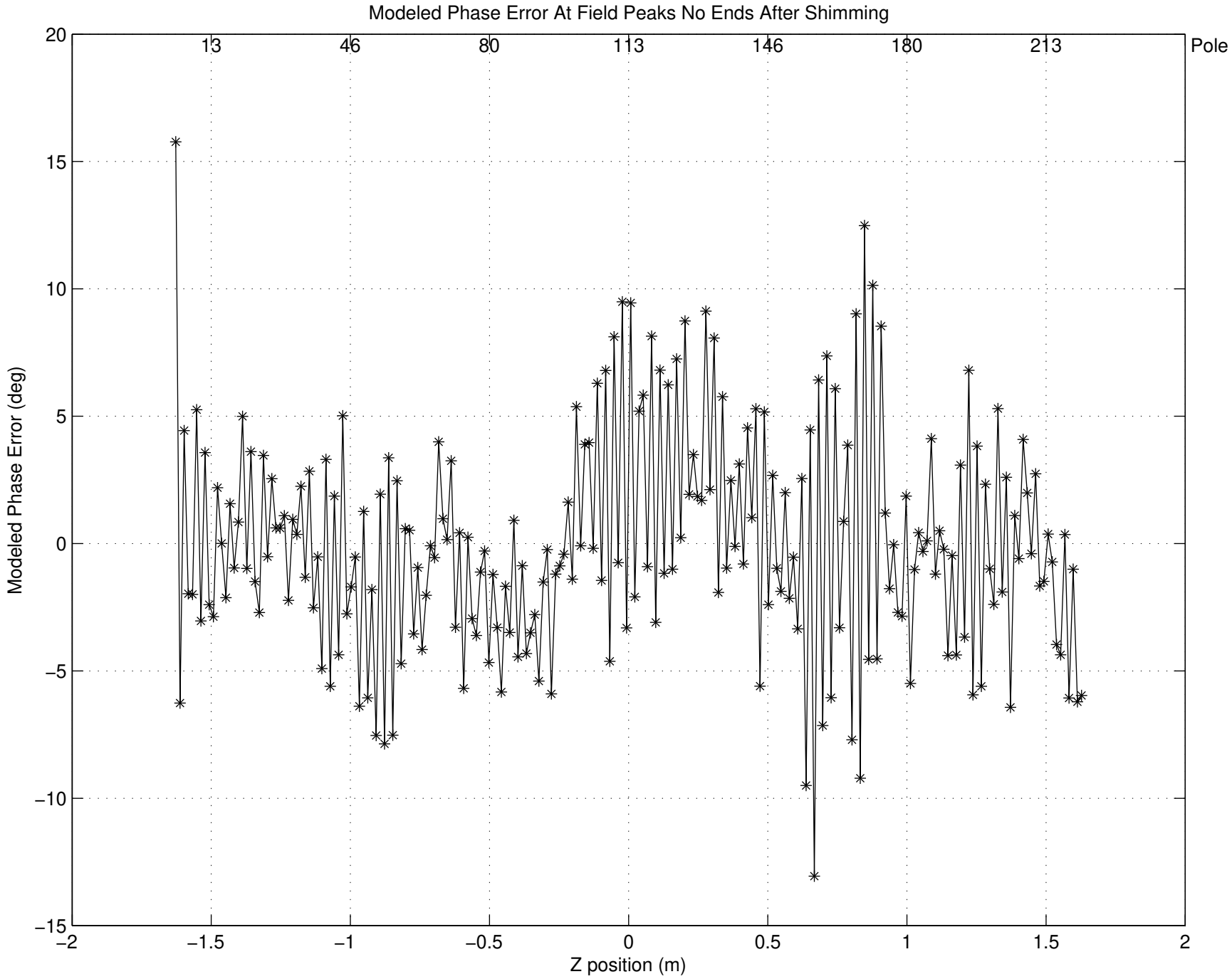
SLAC Magnetic Measurements
Date: 02−11−2013
Time: 09:49:01

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−29
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final scan
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−29\DATASET0003\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−29:−−> T1 19.94 −−> T2 19.93 −−> T5 19.87 −−> T3 19.92 −−> Air 19.91 −−> T4 19.90

Axes position (m) X:0.028959 Y:0.000267
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001032 V
Vy_0i = −0.003517 V



Phase Error: Ave = 0.000000 deg, RMS = 4.341538 deg