SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

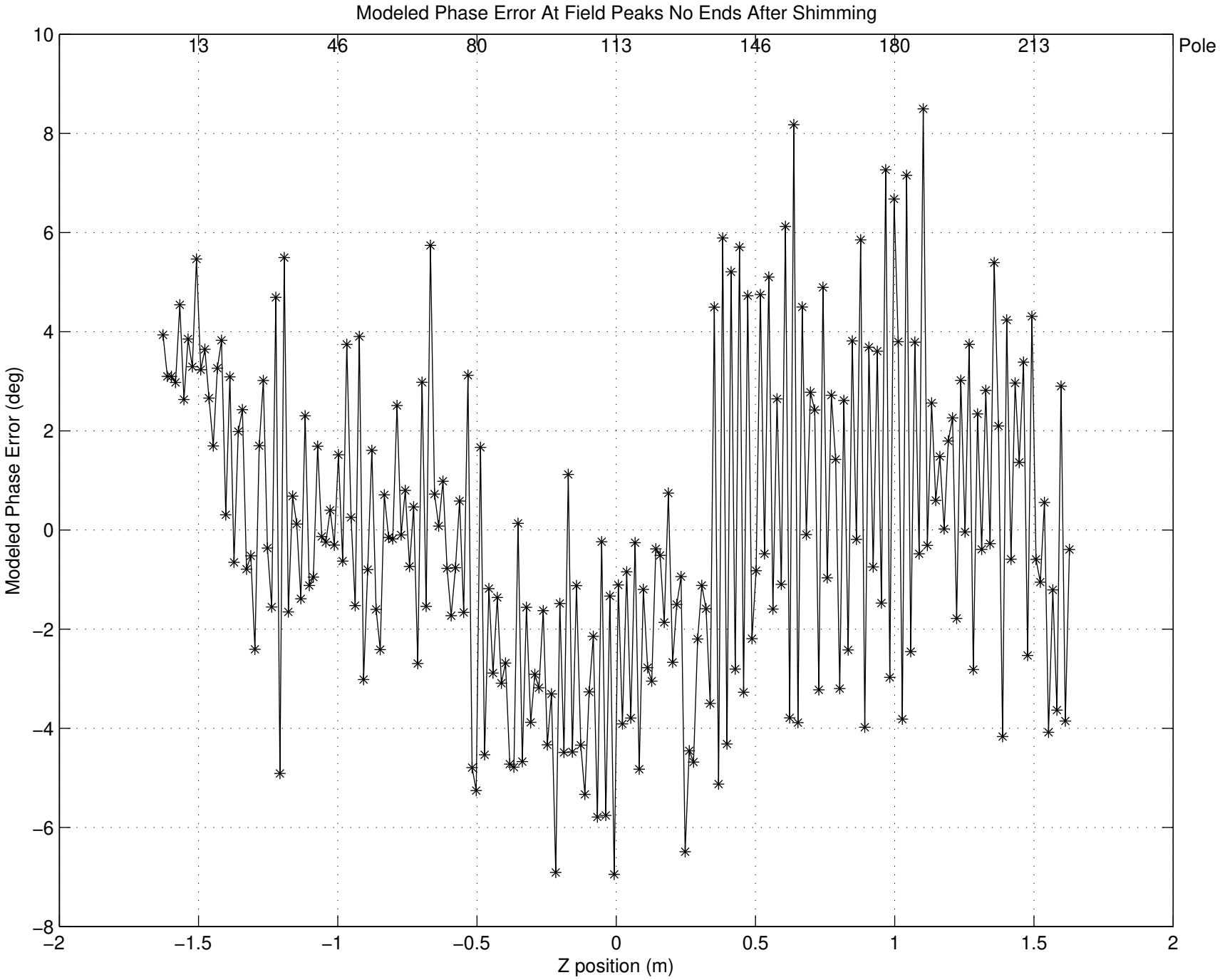
SLAC Magnetic Measurements
Date: 04−09−2013
Time: 11:32:17

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−12
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−12\DATASET0004\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−12:−−> T1 19.93 −−> T2 19.93 −−> T5 19.88 −−> T3 19.93 −−> Air 19.86 −−> T4 19.91

Axes position (m) X:0.029604 Y:0.000224
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000796 V
Vy_0i = −0.003409 V



Phase Error: Ave = −0.000000 deg, RMS = 3.231749 deg