SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

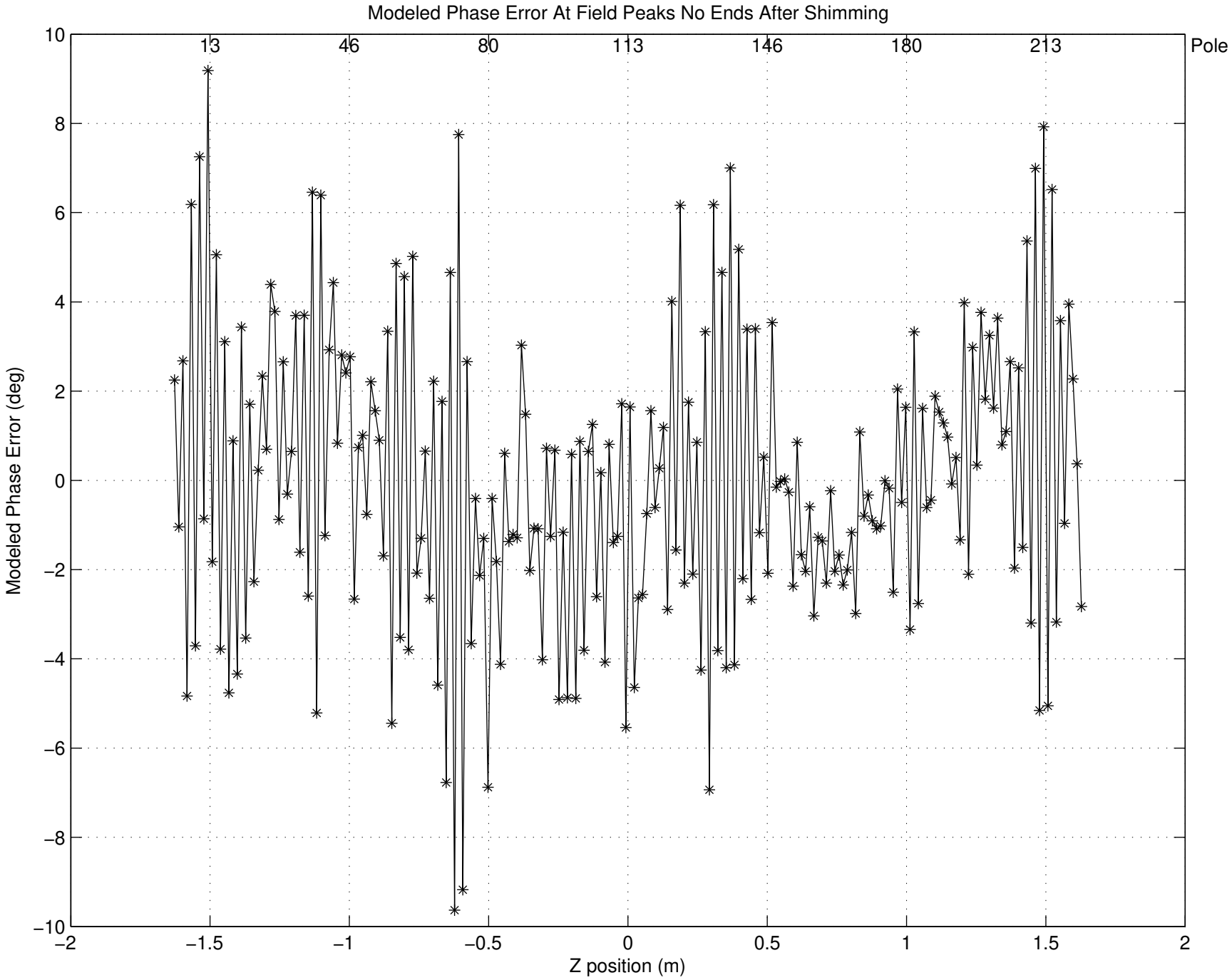
SLAC Magnetic Measurements
Date: 06−20−2012
Time: 08:59:33

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−08
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−08\DATASET0004\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−08:−−> T1 20.00 −−> T2 19.98 −−> T5 19.94 −−> T3 19.98 −−> Air 19.95 −−> T4 19.97

Axes position (m) X:0.029932 Y:0.000315
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001002 V
Vy_0i = −0.003181 V



Phase Error: Ave = −0.000000 deg, RMS = 3.285954 deg