SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

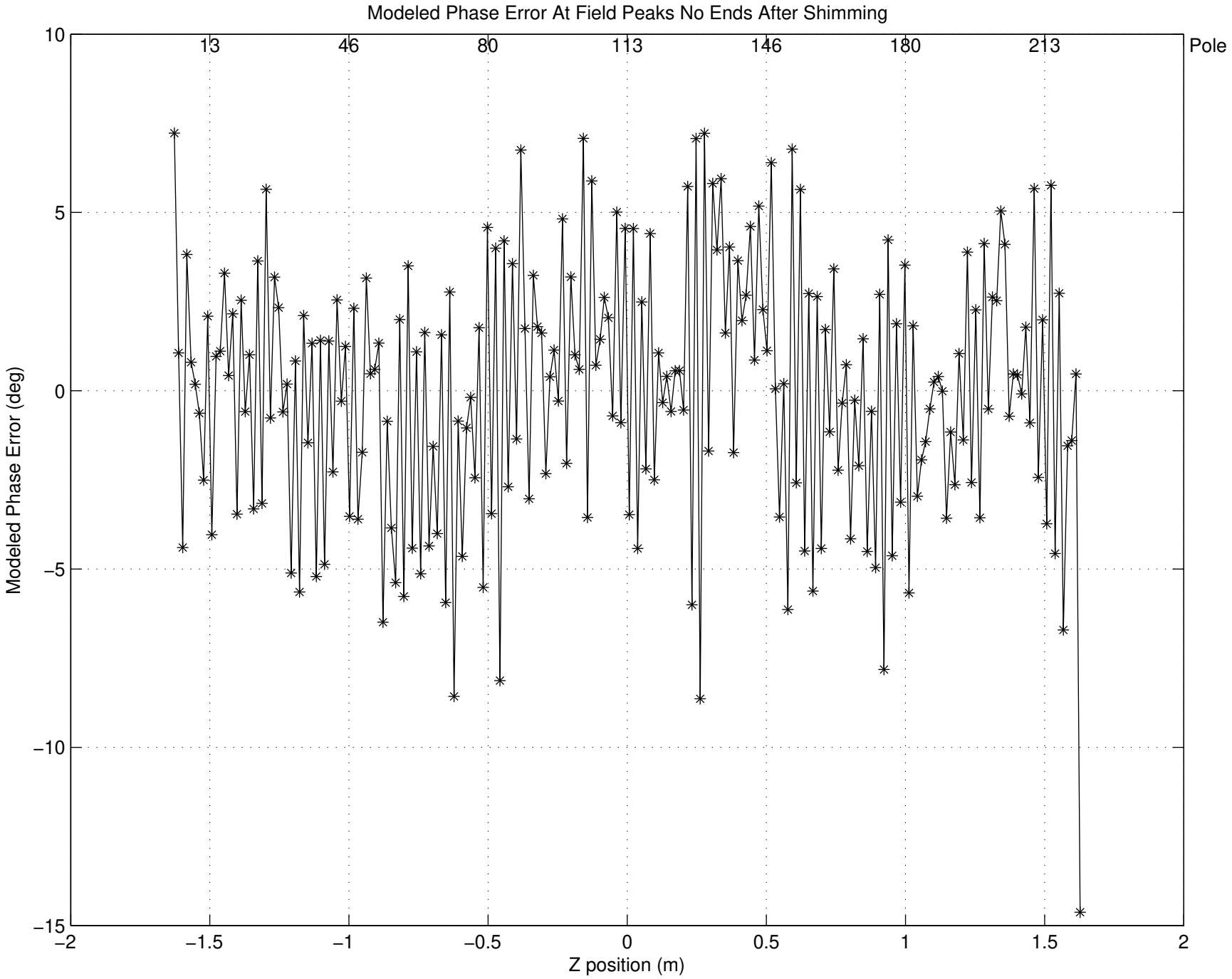
SLAC Magnetic Measurements
Date: 10−16−2014
Time: 14:15:44

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 48
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0048\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.98 −−> T2 19.97 −−> T5 19.91 −−> T3 19.97 −−> Air 19.98 −−> T4 19.94

Axes position (m) X:0.039467 Y:0.000209
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001117 V
$Vy_0i$ = −0.003123 V




Phase Error: Ave = 0.000000 deg, RMS = 3.616985 deg