SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

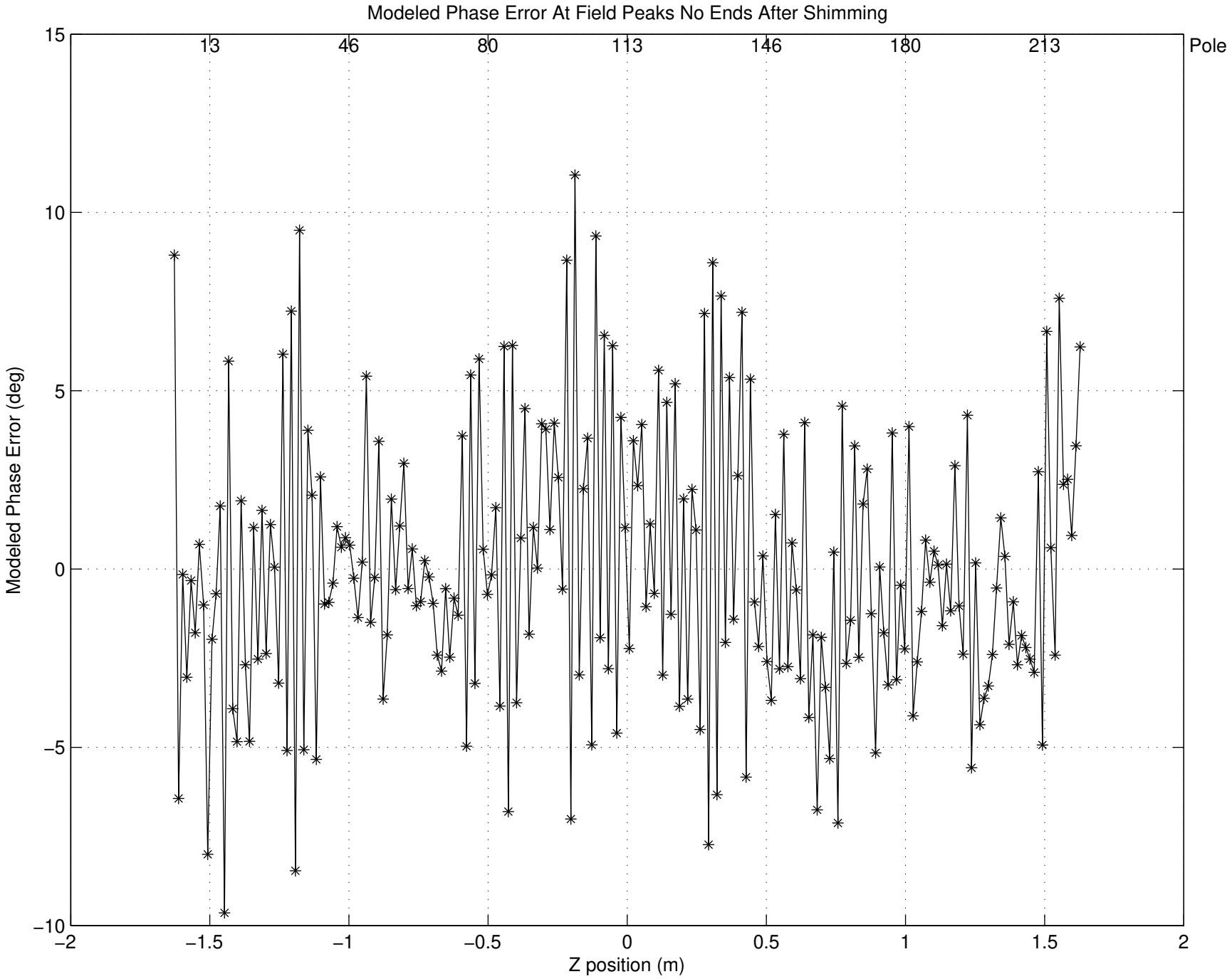
SLAC Magnetic Measurements
Date: 02−26−2014
Time: 09:00:07

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−30
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−30\DATASET0005\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−30:−−> T1 20.03 −−> T2 19.98 −−> T5 19.94 −−> T3 19.95 −−> Air 19.94 −−> T4 19.94

Axes position (m) X:0.029766 Y:0.000176
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001291 V
$Vy_0i$ = −0.003147 V




Phase Error: Ave = 0.000000 deg, RMS = 3.827544 deg