SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

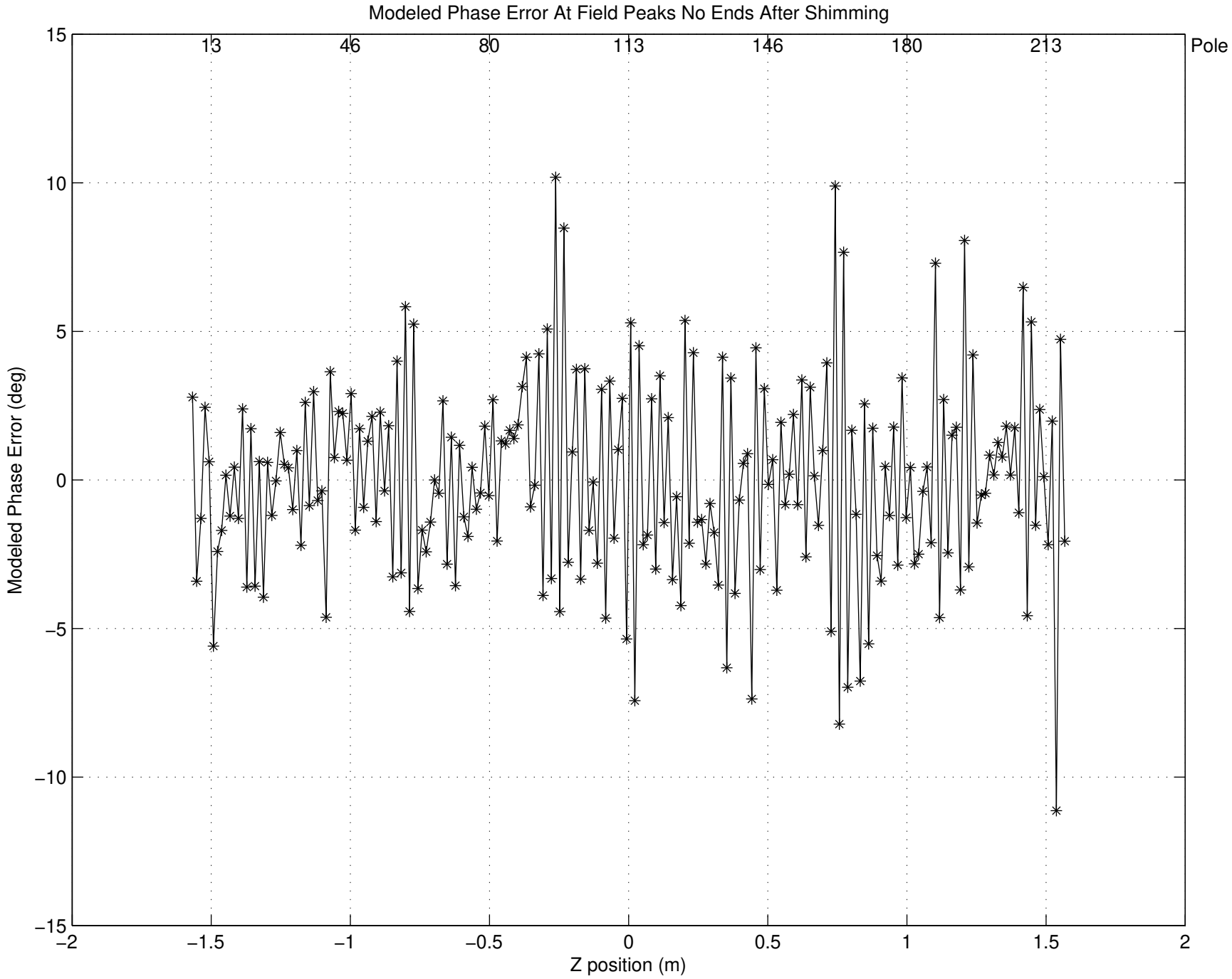
SLAC Magnetic Measurements
Date: 05−28−2010
Time: 10:02:07

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 21
Measurement Type: Z Scans
Operator: YL
Comment: check before gluing shims; large gap
Session first run: 21
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0004\Fine Tuning\Z Scans\Run 021\bscanz.dat

Temperature (C)
L143−112000−32:−−> T5 19.98 −−> T2 19.99 −−> T1 20.01 −−> T3 19.99 −−> Air 19.95 −−> T4 19.97

Axes position (m) X:0.026443 Y:0.000338
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001360 V
$Vy_0i$ = −0.002981 V




Phase Error: Ave = −0.000000 deg, RMS = 3.313398 deg