SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

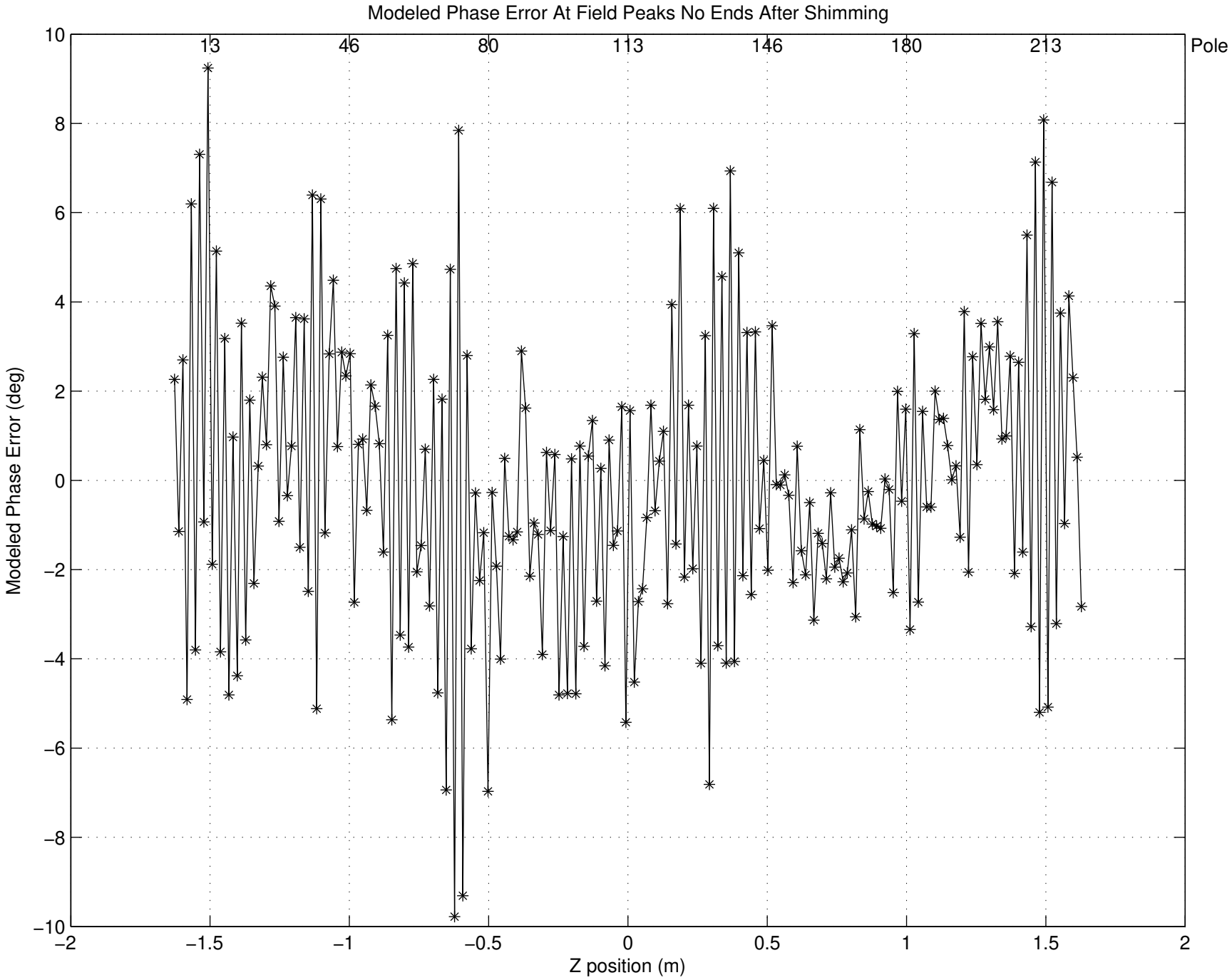
SLAC Magnetic Measurements
Date: 06−20−2012
Time: 09:09:49

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−08
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: 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 005\bscanz.dat

Temperature (C)
L143−112000−08:−−> T1 19.99 −−> T2 19.98 −−> T5 19.94 −−> T3 19.98 −−> Air 19.95 −−> T4 19.97

Axes position (m) X:0.030038 Y:0.000315
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001010 V
$Vy_0i$ = −0.003215 V




Phase Error: Ave = 0.000000 deg, RMS = 3.284102 deg