SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

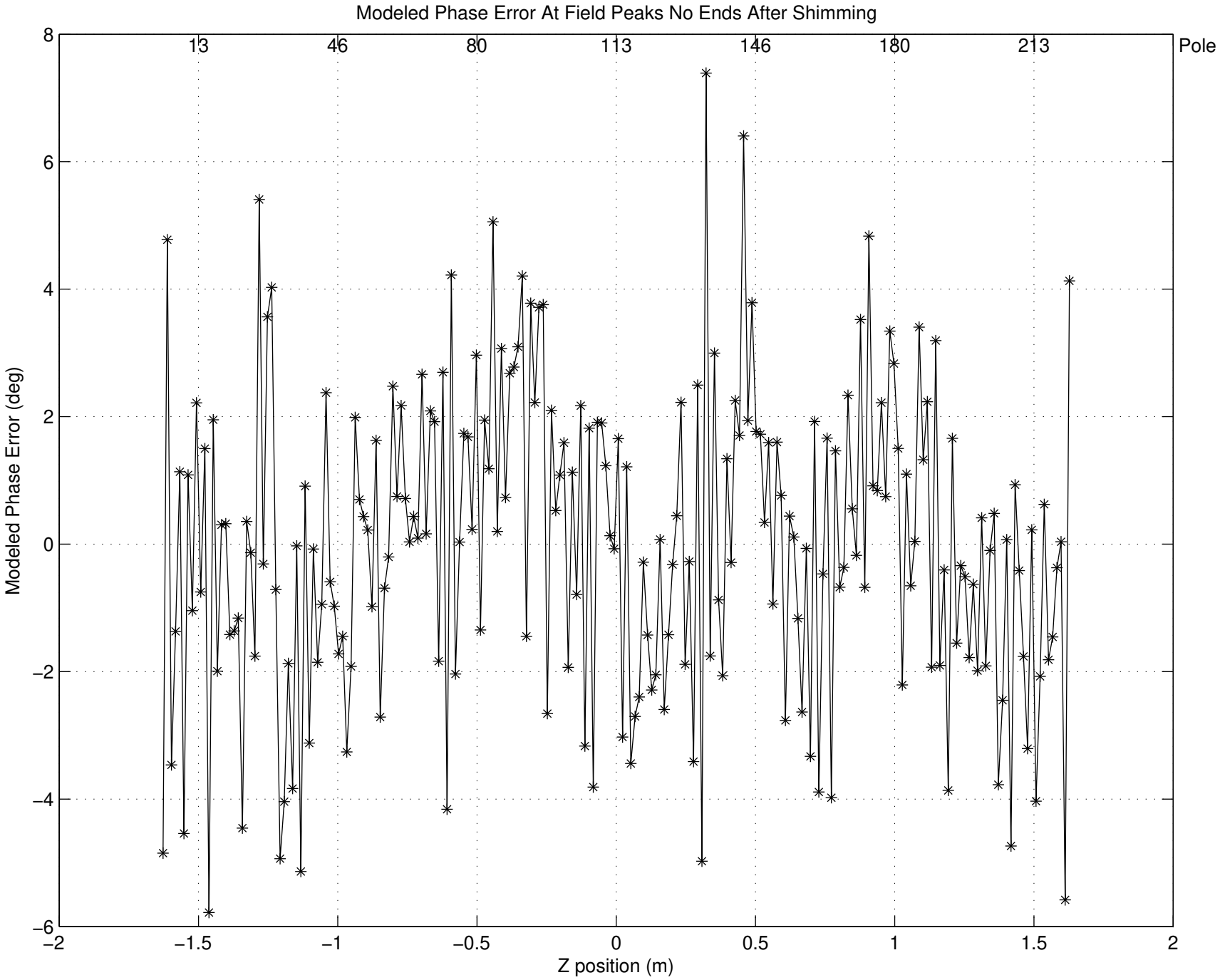
SLAC Magnetic Measurements
Date: 04−30−2014
Time: 08:28:12

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−17
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find y at min K; before final
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−17\DATASET0004\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−17:−−> T1 19.90 −−> T2 19.87 −−> T5 19.81 −−> T3 19.89 −−> Air 19.83 −−> T4 19.85

Axes position (m) X:0.029999 Y:0.000098
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001207 V
Vy_0i = −0.003250 V



Phase Error: Ave = −0.000000 deg, RMS = 2.409346 deg