SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

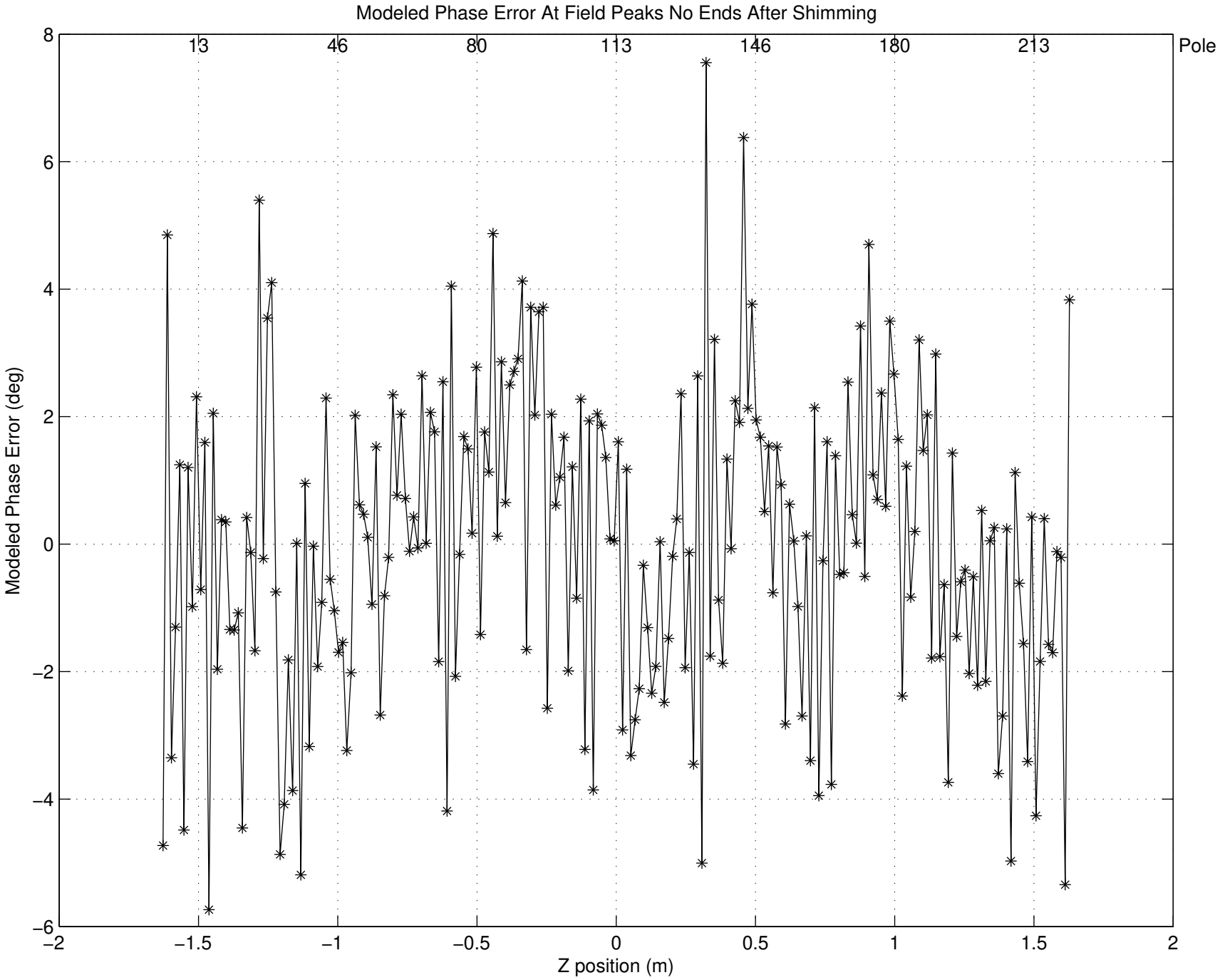
SLAC Magnetic Measurements
Date: 04−29−2014
Time: 08:30:42

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−17
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 3
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−17\DATASET0004\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−17:−−> T1 19.92 −−> T2 19.91 −−> T5 19.82 −−> T3 19.92 −−> Air 19.77 −−> T4 19.87

Axes position (m) X:0.030030 Y:0.000106
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001180 V
Vy_0i = −0.003171 V



Phase Error: Ave = 0.000000 deg, RMS = 2.398132 deg