SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

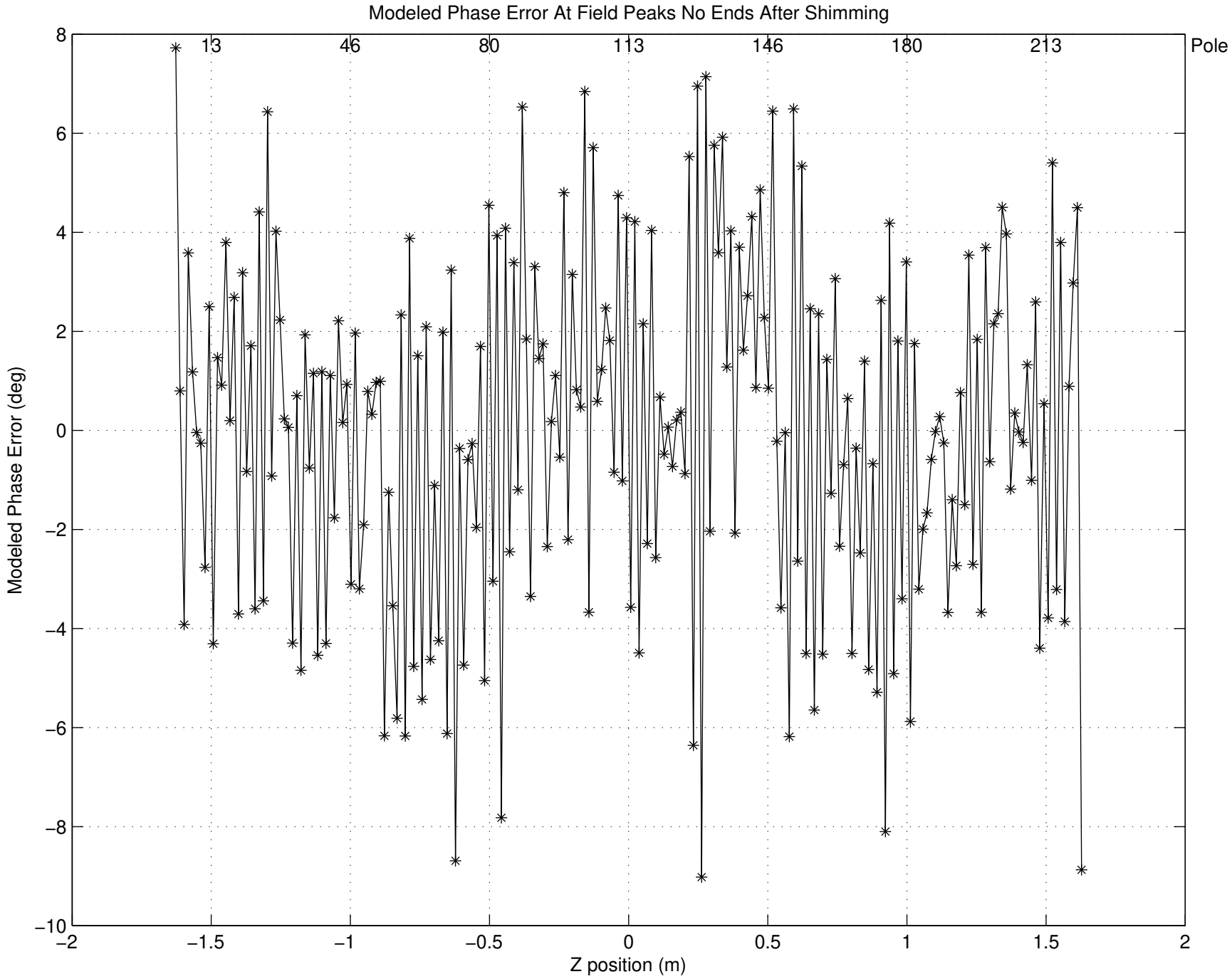
SLAC Magnetic Measurements
Date: 01−14−2014
Time: 10:01:03

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 46
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: at min K; final
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0046\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.90 −−> T2 19.88 −−> T5 19.86 −−> T3 19.88 −−> Air 19.89 −−> T4 19.85

Axes position (m) X:0.029251 Y:0.000217
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001166 V
Vy_0i = −0.003381 V



Phase Error: Ave = 0.000000 deg, RMS = 3.499773 deg