SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

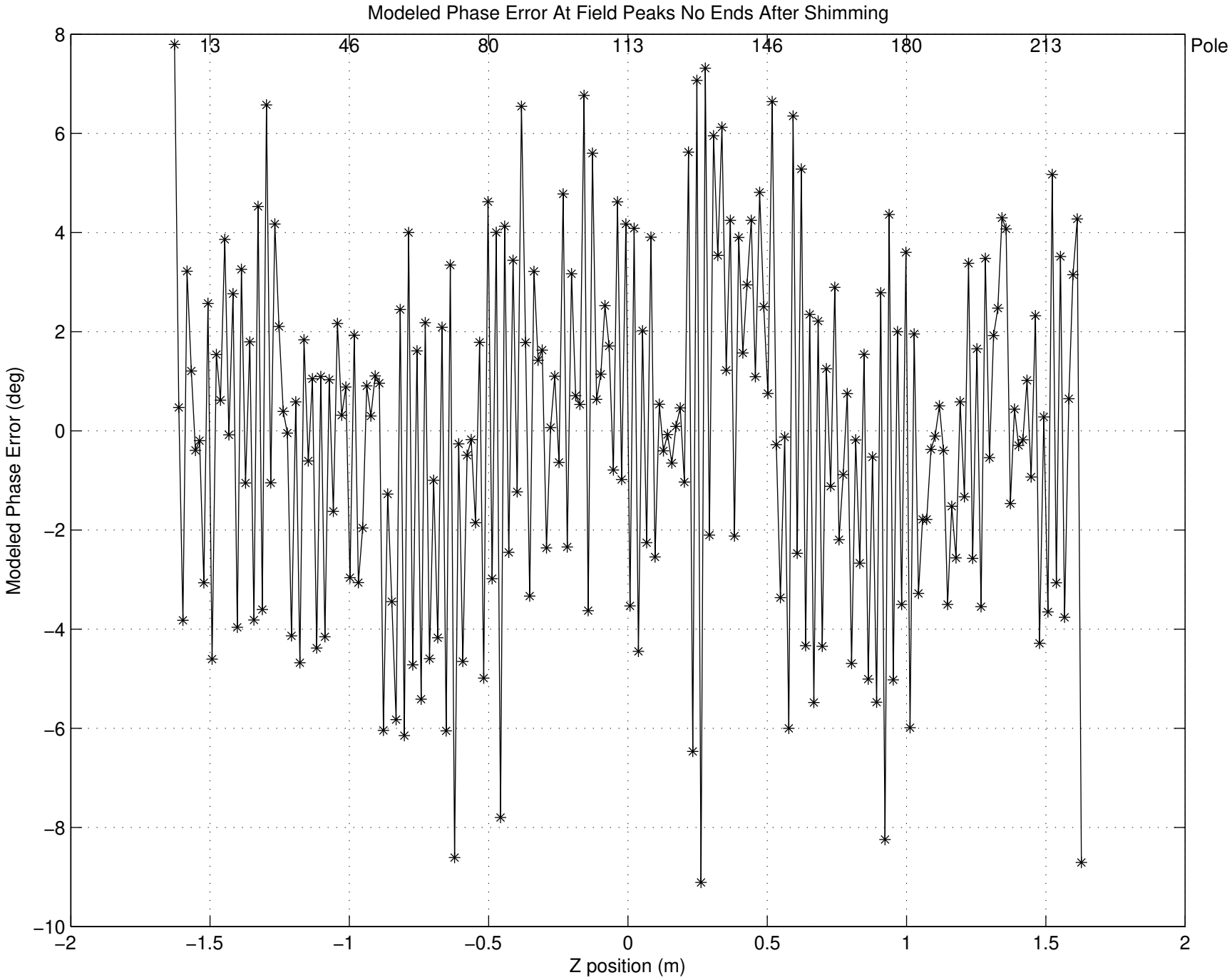
SLAC Magnetic Measurements
Date: 10−21−2013
Time: 12:29:35

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 45
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0045\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.96 −−> T2 19.94 −−> T5 19.89 −−> T3 19.94 −−> Air 19.92 −−> T4 19.92

Axes position (m) X:0.029281 Y:0.000155
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001209 V
Vy_0i = −0.003207 V



Phase Error: Ave = 0.000000 deg, RMS = 3.493976 deg