SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

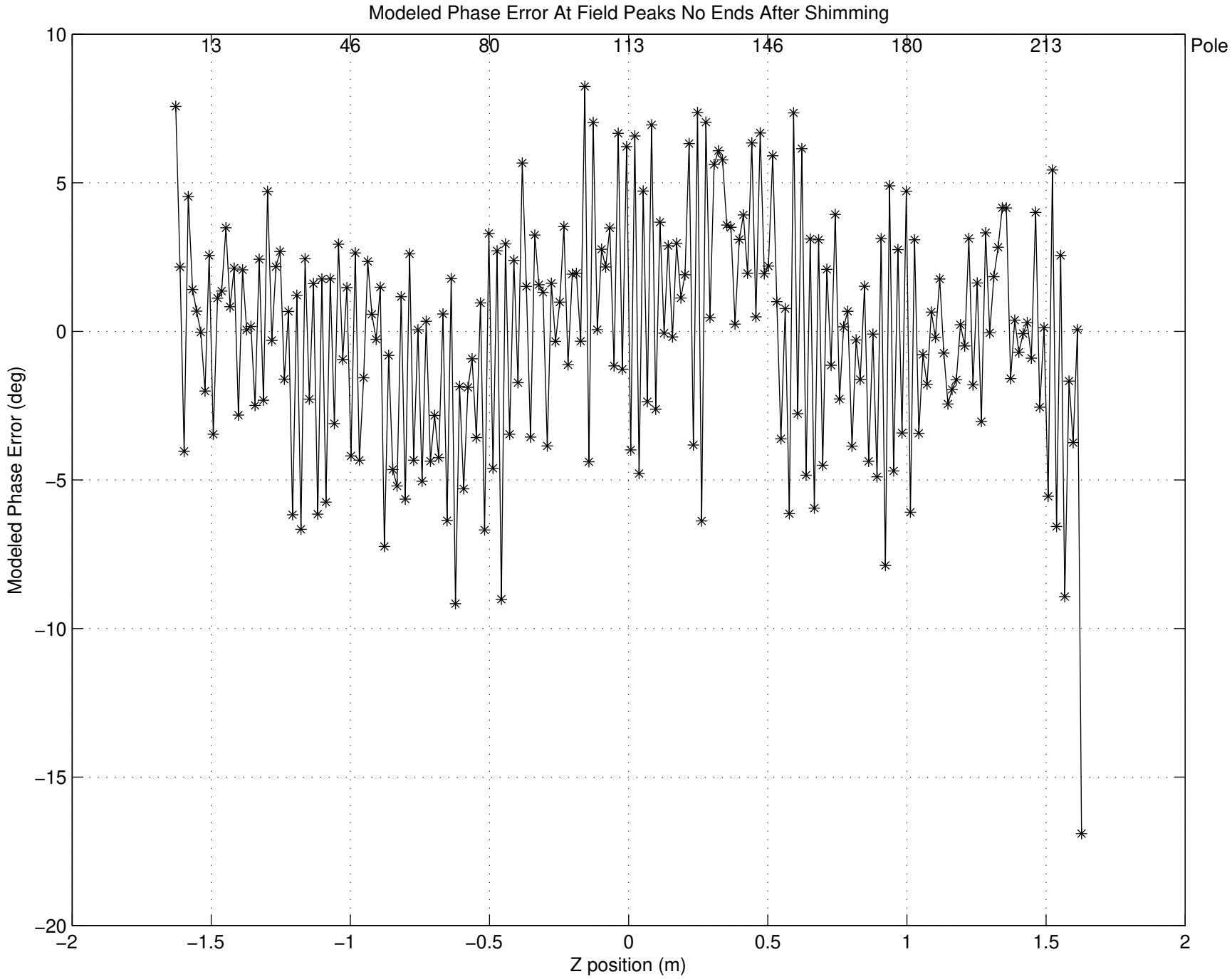
SLAC Magnetic Measurements
Date: 07−18−2011
Time: 11:01:19

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 37
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; after probe re−calibration
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0037\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.99 −−> T2 19.99 −−> T5 19.95 −−> T3 19.99 −−> Air 20.04 −−> T4 19.97

Axes position (m) X:0.029801 Y:0.000290
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001185 V
Vy_0i = −0.003012 V



Phase Error: Ave = −0.000000 deg, RMS = 3.885661 deg