SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

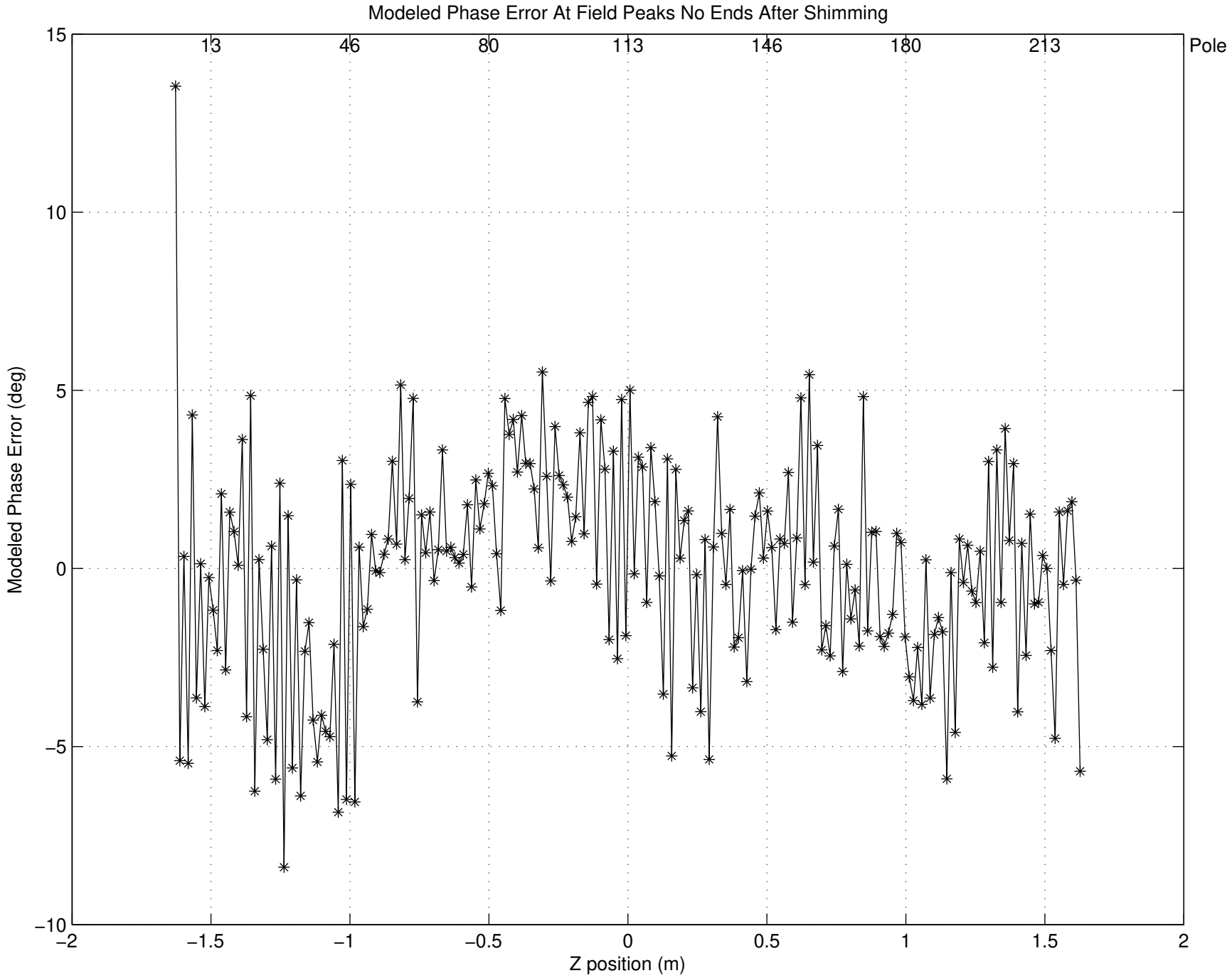
SLAC Magnetic Measurements
Date: 08−30−2012
Time: 09:24:20

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−15
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 37
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 37
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−15\DATASET0006\Fine Tuning\Z Scans\Run 037\bscanz.dat

Temperature (C)
L143−112000−15:−−> T1 20.05 −−> T2 20.03 −−> T5 20.02 −−> T3 20.02 −−> Air 19.95 −−> T4 20.01

Axes position (m) X:0.030241 Y:0.000296
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001004 V
Vy_0i = −0.003150 V



Phase Error: Ave = 0.000000 deg, RMS = 3.026032 deg