SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

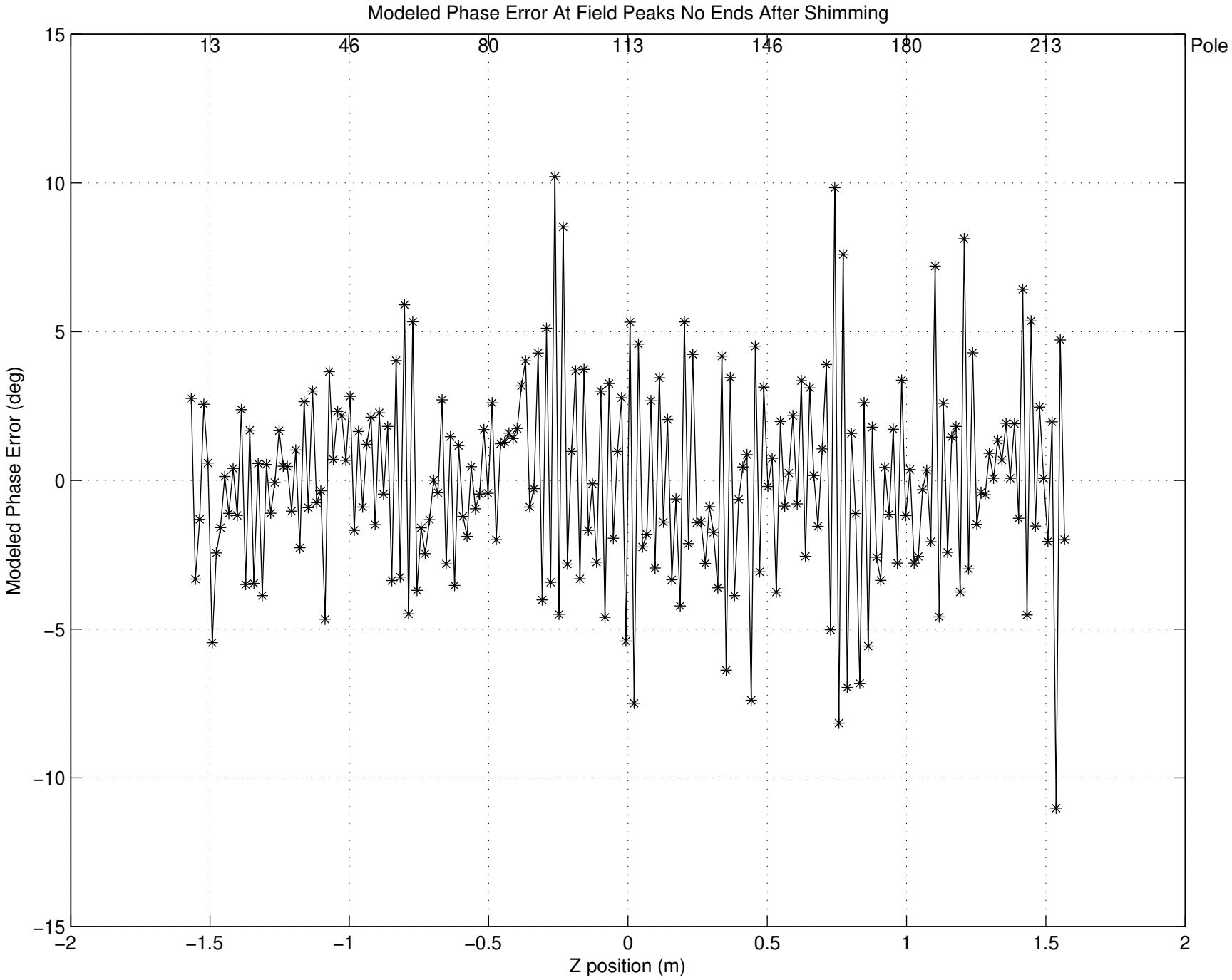
SLAC Magnetic Measurements
Date: 06−01−2010
Time: 10:52:45

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 24
Measurement Type: Z Scans
Operator: YL
Comment: final; large gap
Session first run: 24
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0004\Fine Tuning\Z Scans\Run 024\bscanz.dat

Temperature (C)
L143−112000−32:−−> T5 19.95 −−> T2 19.97 −−> T1 19.98 −−> T3 19.97 −−> Air 20.01 −−> T4 19.96

Axes position (m) X:0.026378 Y:0.000358
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001274 V
Vy_0i = −0.003001 V



Phase Error: Ave = −0.000000 deg, RMS = 3.311427 deg