SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

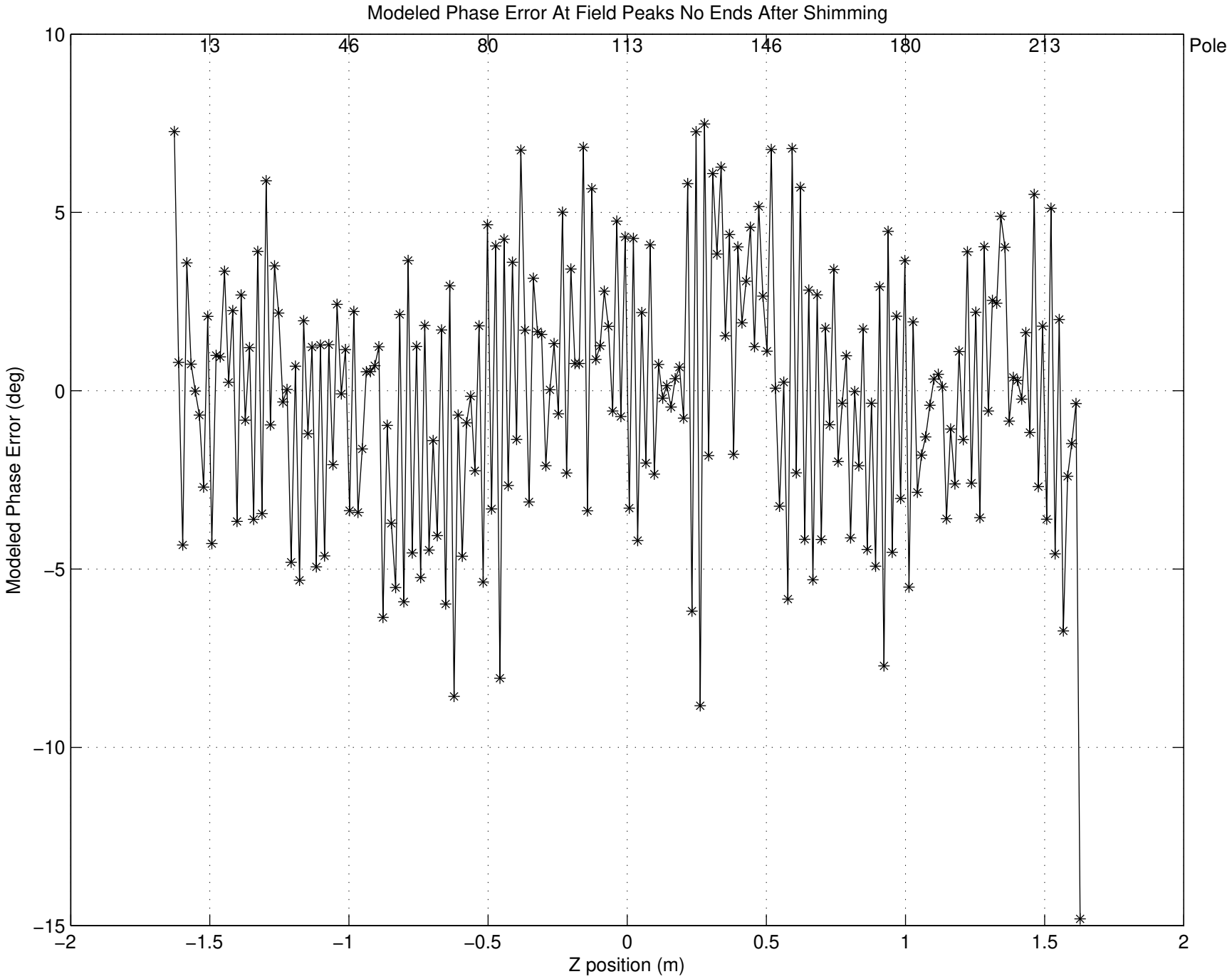
SLAC Magnetic Measurements
Date: 08−06−2013
Time: 15:47:29

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 44
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: final scan
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0044\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.98 −−> T2 19.97 −−> T5 19.92 −−> T3 19.97 −−> Air 20.02 −−> T4 19.95

Axes position (m) X:0.029424 Y:0.000222
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001029 V
Vy_0i = −0.003156 V



Phase Error: Ave = 0.000000 deg, RMS = 3.605344 deg