SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

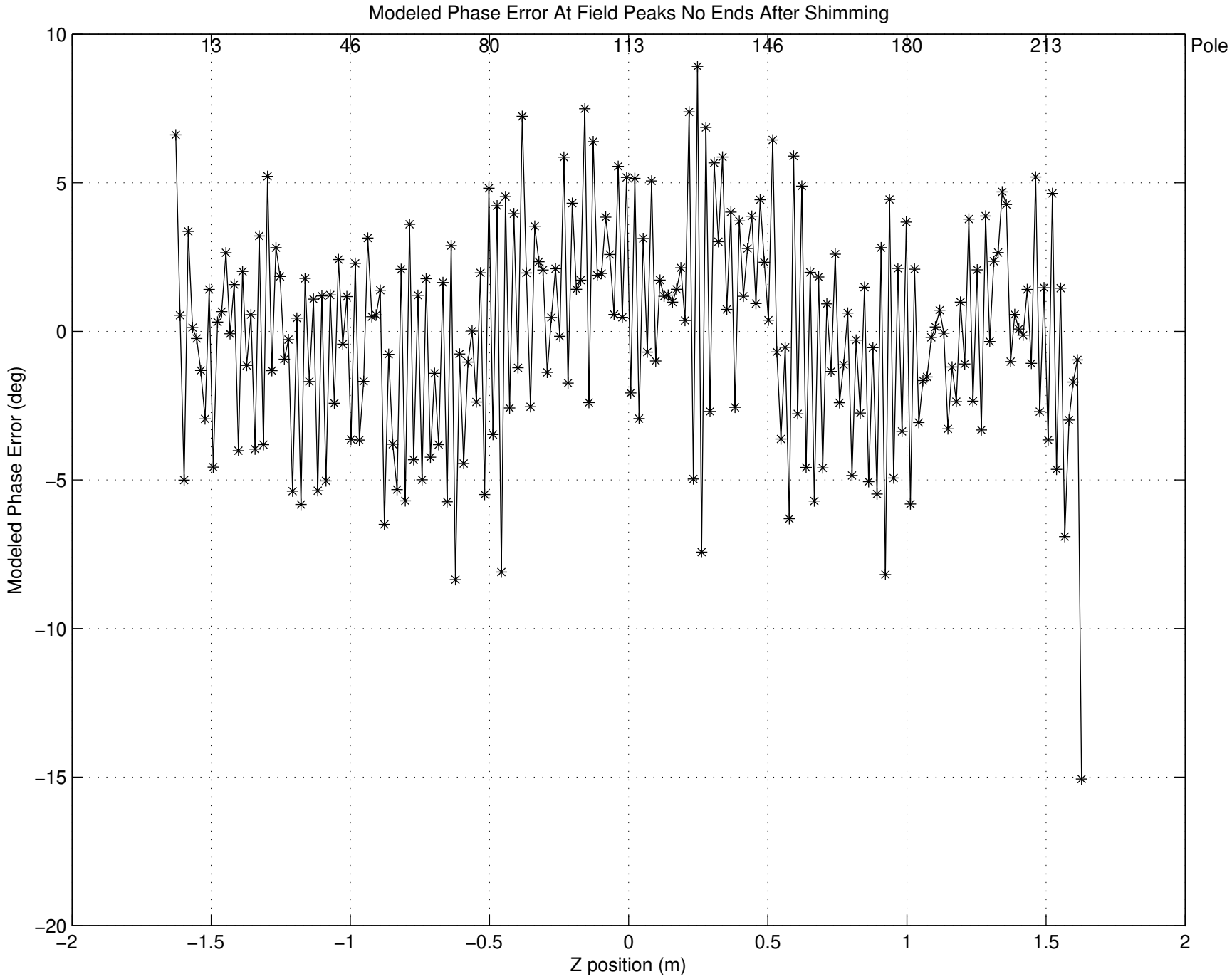
SLAC Magnetic Measurements
Date: 10−19−2011
Time: 10:11:30

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 38
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0038\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 20.00 −−> T2 19.99 −−> T5 19.95 −−> T3 19.99 −−> Air 20.05 −−> T4 19.97

Axes position (m) X:0.027712 Y:0.000285
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001021 V
Vy_0i = −0.002945 V



Phase Error: Ave = 0.000000 deg, RMS = 3.652975 deg