SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

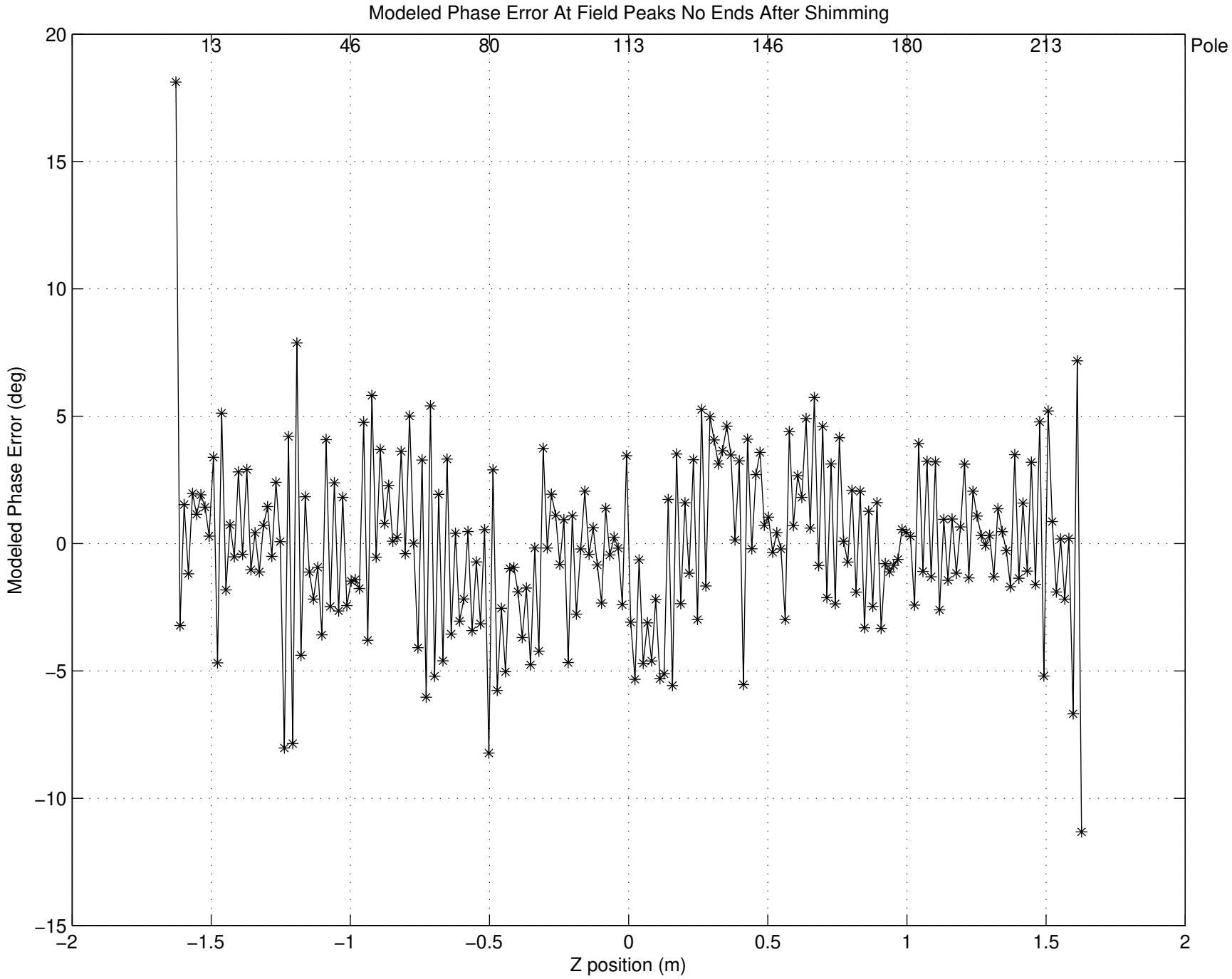
SLAC Magnetic Measurements
Date: 07−15−2014
Time: 09:20:34

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0005\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−18:−−> T1 20.00 −−> T2 19.97 −−> T5 19.91 −−> T3 19.98 −−> Air 19.88 −−> T4 19.95

Axes position (m) X:0.029542 Y:0.000220
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001213 V
Vy_0i = −0.002809 V



Phase Error: Ave = 0.000000 deg, RMS = 3.343471 deg