SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

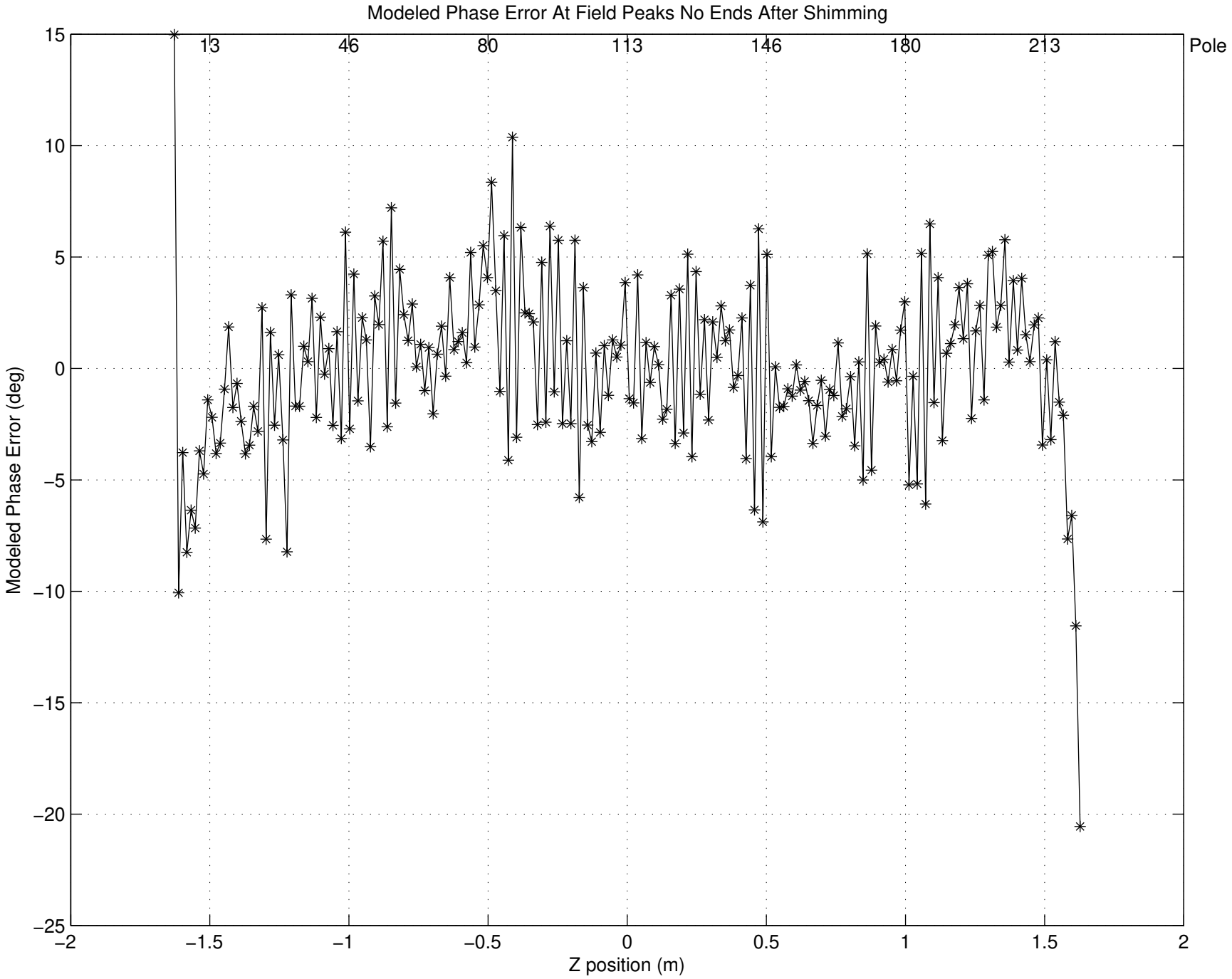
SLAC Magnetic Measurements
Date: 06−05−2014
Time: 08:55:59

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−06
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 15
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 15
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−06\DATASET0004\Fine Tuning\Z Scans\Run 015\bscanz.dat

Temperature (C)
L143−112000−06:−−> T1 19.99 −−> T2 19.96 −−> T5 19.89 −−> T3 19.97 −−> Air 19.84 −−> T4 19.93

Axes position (m) X:0.029724 Y:0.000108
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001139 V
Vy_0i = −0.003094 V



Phase Error: Ave = −0.000000 deg, RMS = 3.920078 deg