SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

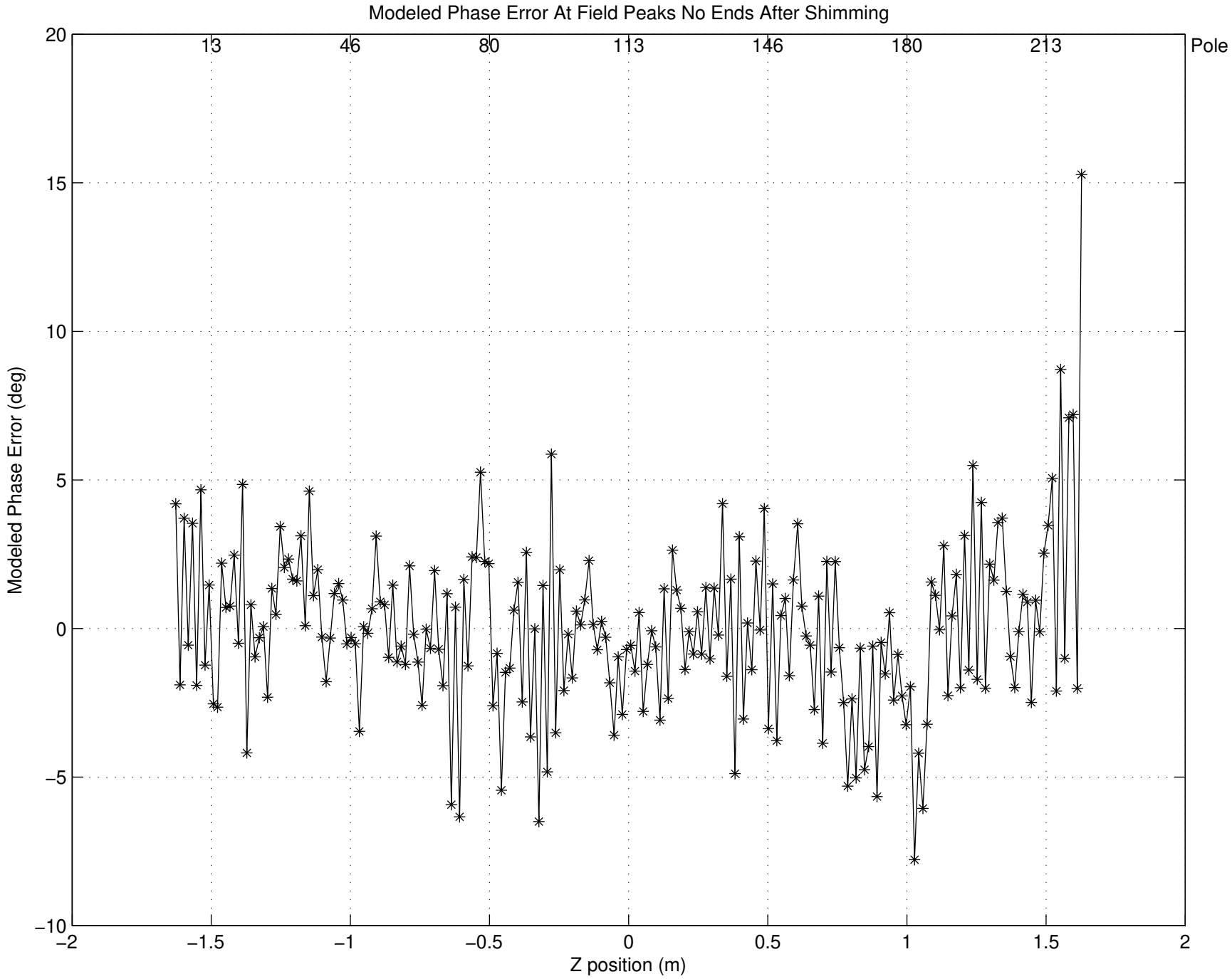
SLAC Magnetic Measurements
Date: 01−28−2013
Time: 09:16:39

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−11
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K ; before final scan
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−11\DATASET0004\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−11:−−> T1 19.91 −−> T2 19.90 −−> T5 19.86 −−> T3 19.89 −−> Air 19.90 −−> T4 19.88

Axes position (m) X:0.028548 Y:0.000252
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000993 V
Vy_0i = −0.003502 V



Phase Error: Ave = 0.000000 deg, RMS = 2.839241 deg