SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

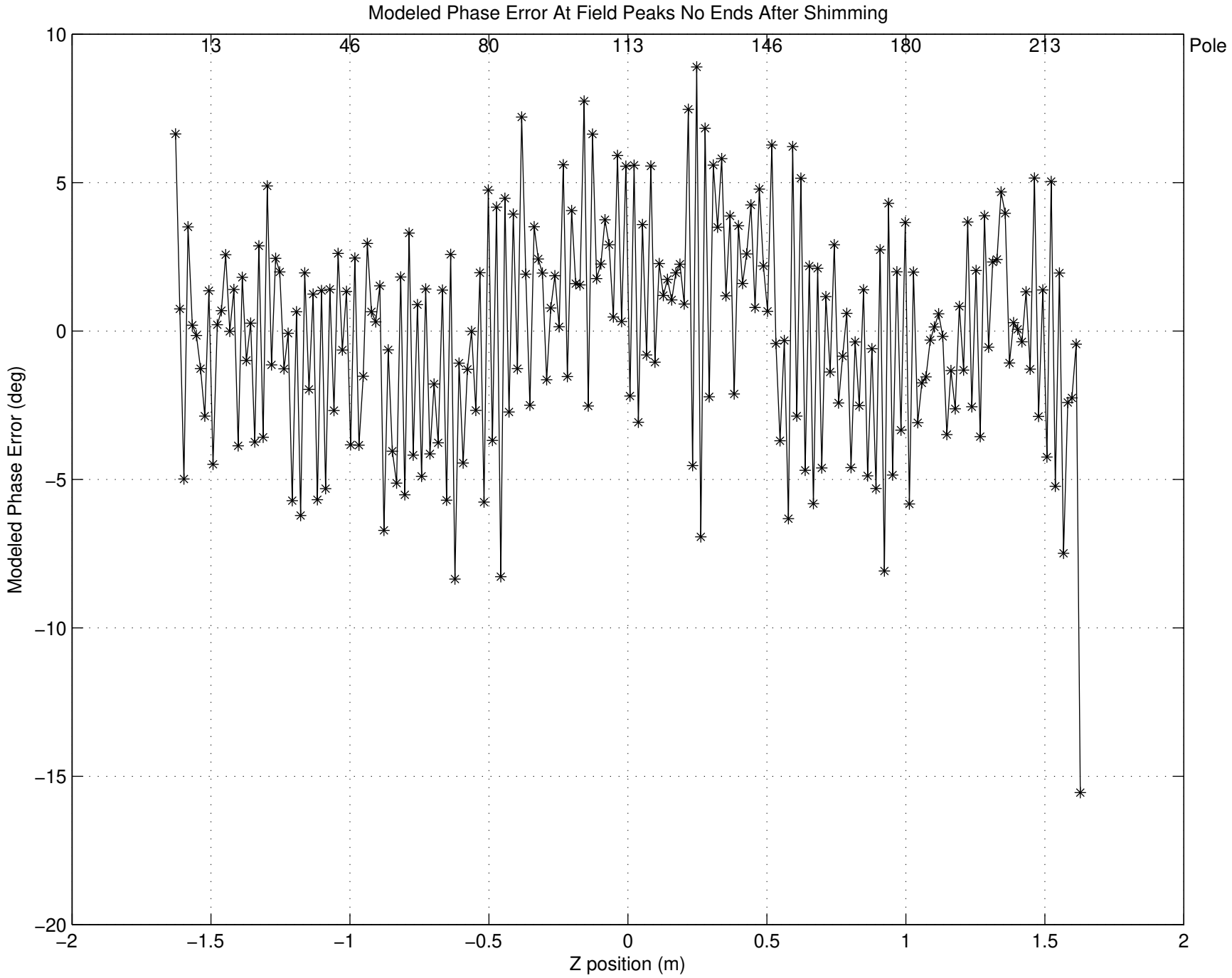
SLAC Magnetic Measurements
Date: 07−18−2011
Time: 11:45:54

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 37
Tuning Stage: Fine Tuning
Run Number: 12
Measurement Type: Z Scans
Operator: YL
Comment: at min K; after probe re−calibration
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0037\Fine Tuning\Z Scans\Run 012\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.99 −−> T2 19.99 −−> T5 19.95 −−> T3 19.99 −−> Air 20.03 −−> T4 19.97

Axes position (m) X:0.028090 Y:0.000285
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001178 V
Vy_0i = −0.002994 V



Phase Error: Ave = 0.000000 deg, RMS = 3.697129 deg