SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

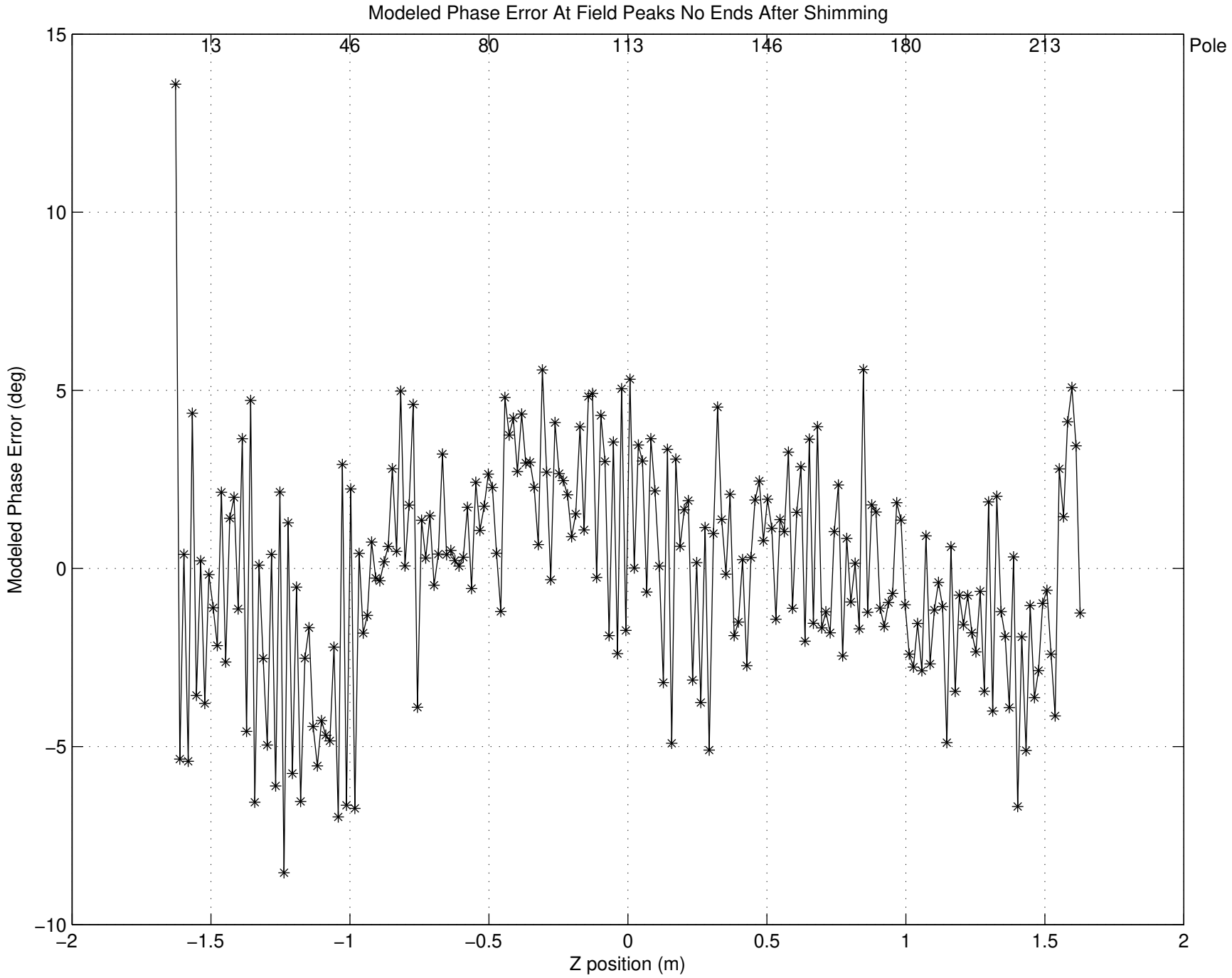
SLAC Magnetic Measurements
Date: 08−29−2012
Time: 14:12:02

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−15
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 34
Measurement Type: Z Scans
Operator: YL
Comment: check trajectories before gluing shims
Session first run: 34
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−15\DATASET0006\Fine Tuning\Z Scans\Run 034\bscanz.dat

Temperature (C)
L143−112000−15:−−> T1 20.10 −−> T2 20.07 −−> T5 20.01 −−> T3 20.06 −−> Air 20.00 −−> T4 20.03

Axes position (m) X:0.030217 Y:0.000296
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001083 V
Vy_0i = −0.003077 V



Phase Error: Ave = 0.000000 deg, RMS = 3.082872 deg