SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

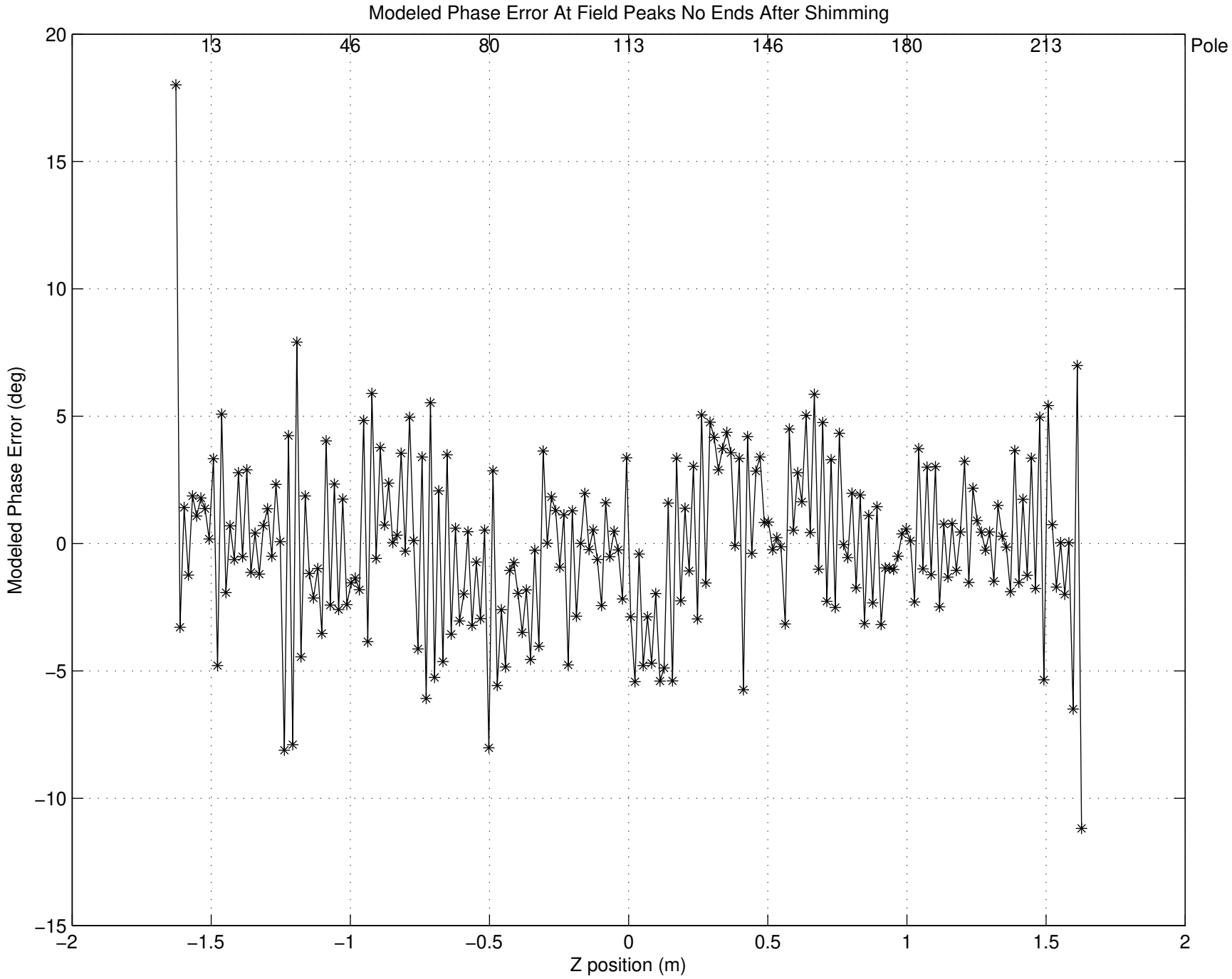
SLAC Magnetic Measurements
Date: 07−14−2014
Time: 14:26:05

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 6
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0005\Fine Tuning\Z Scans\Run 006\bscanz.dat

Temperature (C)
L143−112000−18:−−> T1 20.00 −−> T2 19.98 −−> T5 19.93 −−> T3 19.98 −−> Air 19.92 −−> T4 19.97

Axes position (m) X:0.029542 Y:0.000220
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.001139 V
$Vy_0i$ = −0.002858 V




Phase Error: Ave = −0.000000 deg, RMS = 3.328481 deg