

Fermilab

TS-SSC 91-153
8/6/91

To: DCA314 Traveler
From: Jim Strait
Subject: DCA314 Pole Shims and Strain Gauge Pack Locations

No pole shims are to be used on DCA314. Figure 1 shows the average sizes of the DCA314 coils and compares them to sizes of previous coils. The DCA314 coils are of comparable size to those in previous magnets and are within the target windows.

The two strain gauge packs should be centered 9 ± 1 inches and 58 ± 1 inches from the center towards the lead end. Figure 2 shows the average inner and outer coil sizes for the DCA314 coils, showing that these locations correspond to the small and large points of both the inner and outer coils. Figure 3 shows the region in which the gauge packs are to be placed on a larger scale. The locations of the gauge packs are marked by the horizontal bars.

Long 50 mm Dipole Average Coil Sizes

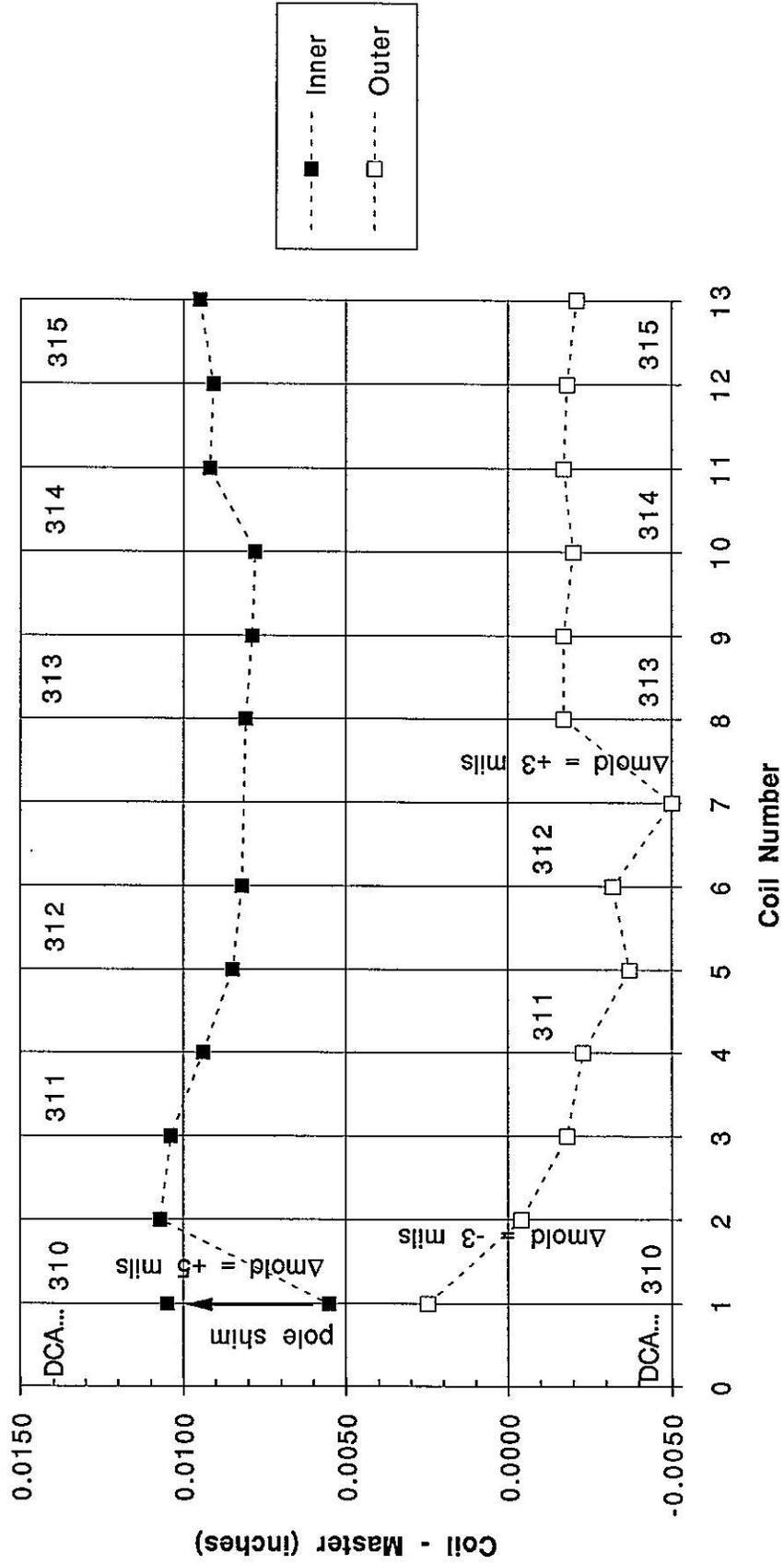


Figure 1

DCA314 Average Coil Sizes

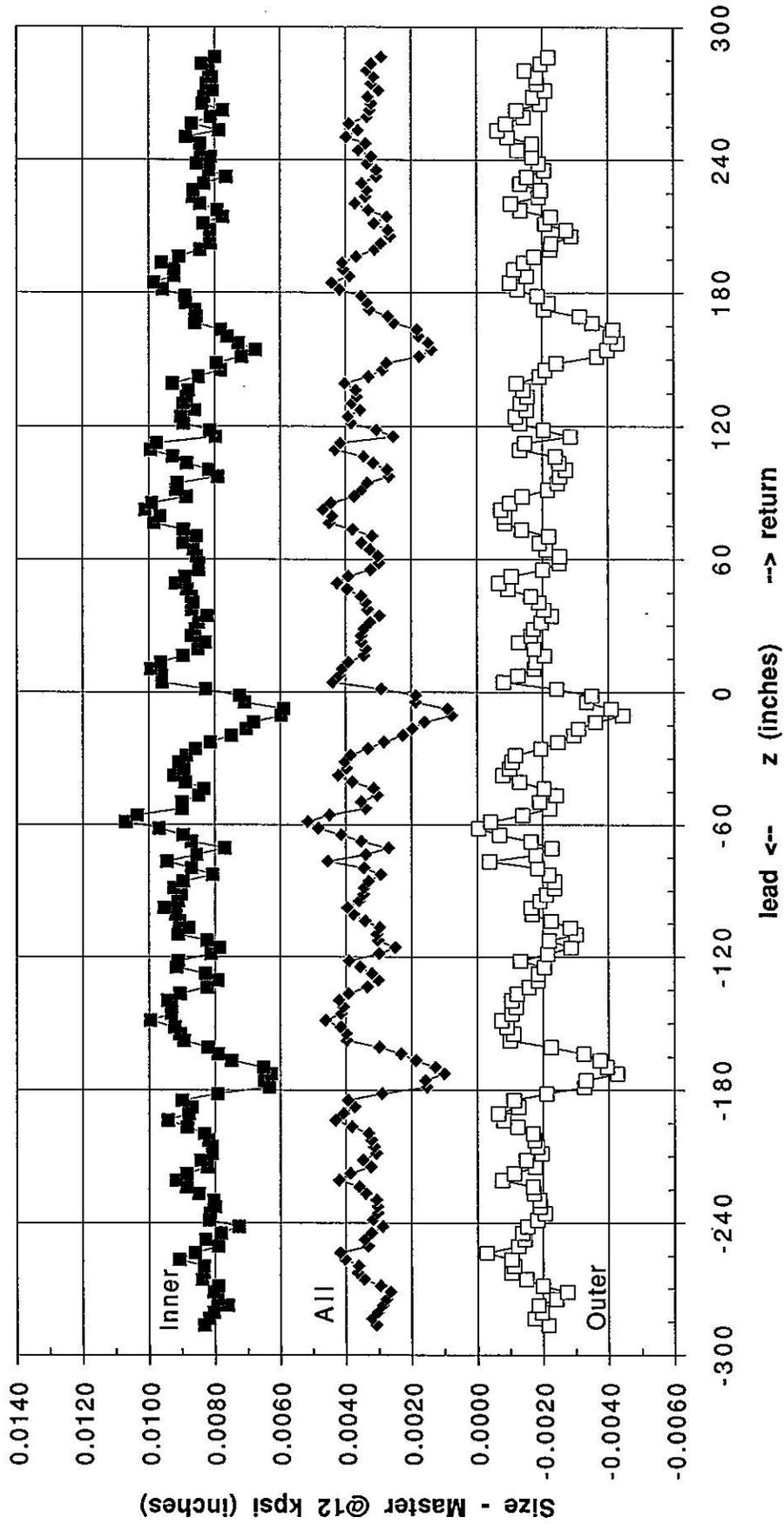


Figure 2

DCA314 Average Coil Sizes

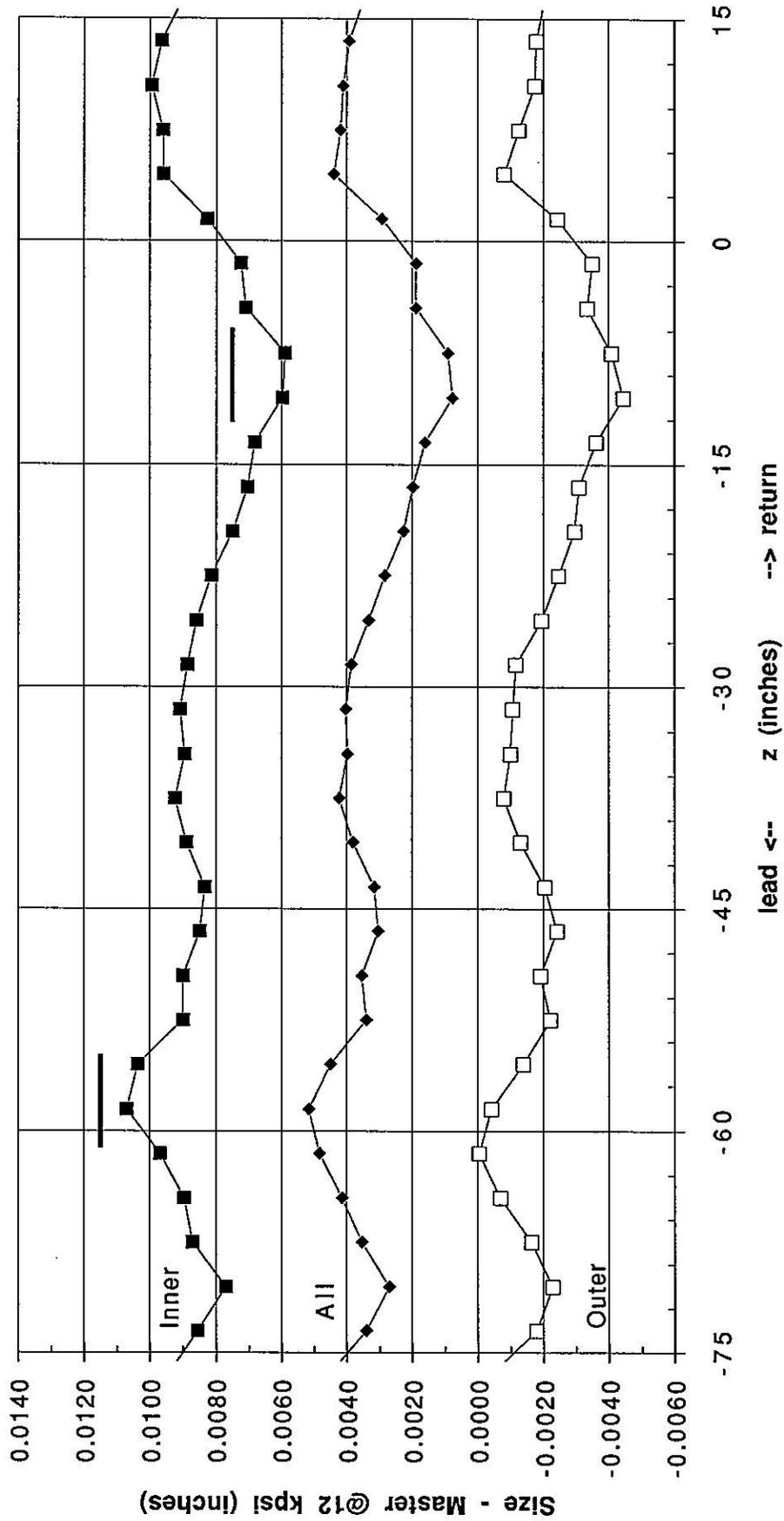


Figure 3