Wayne Koska
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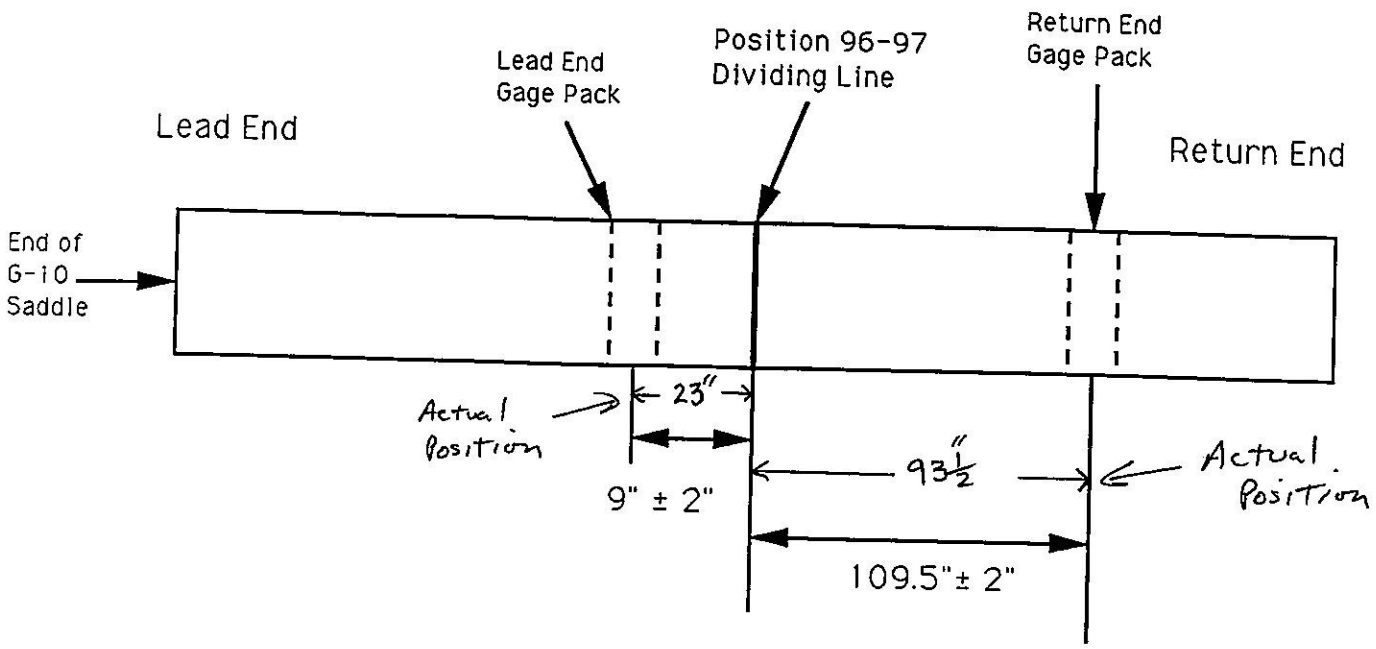
TS-SSC 92-057

Actual Gauge Pack Positions for DCA322

An incorrect determination of the centerline of magnet DCA322 has lead to the positioning of the strain gauge packs being about 14 inches farther toward the lead end then specified (see figure 1). The plot (figure 2) shows the summed azimuthal inner coil sizes for the magnet with the positions of the packs indicated. The return end pack appears to be in a region where the coil size is changeing quite rapidly.

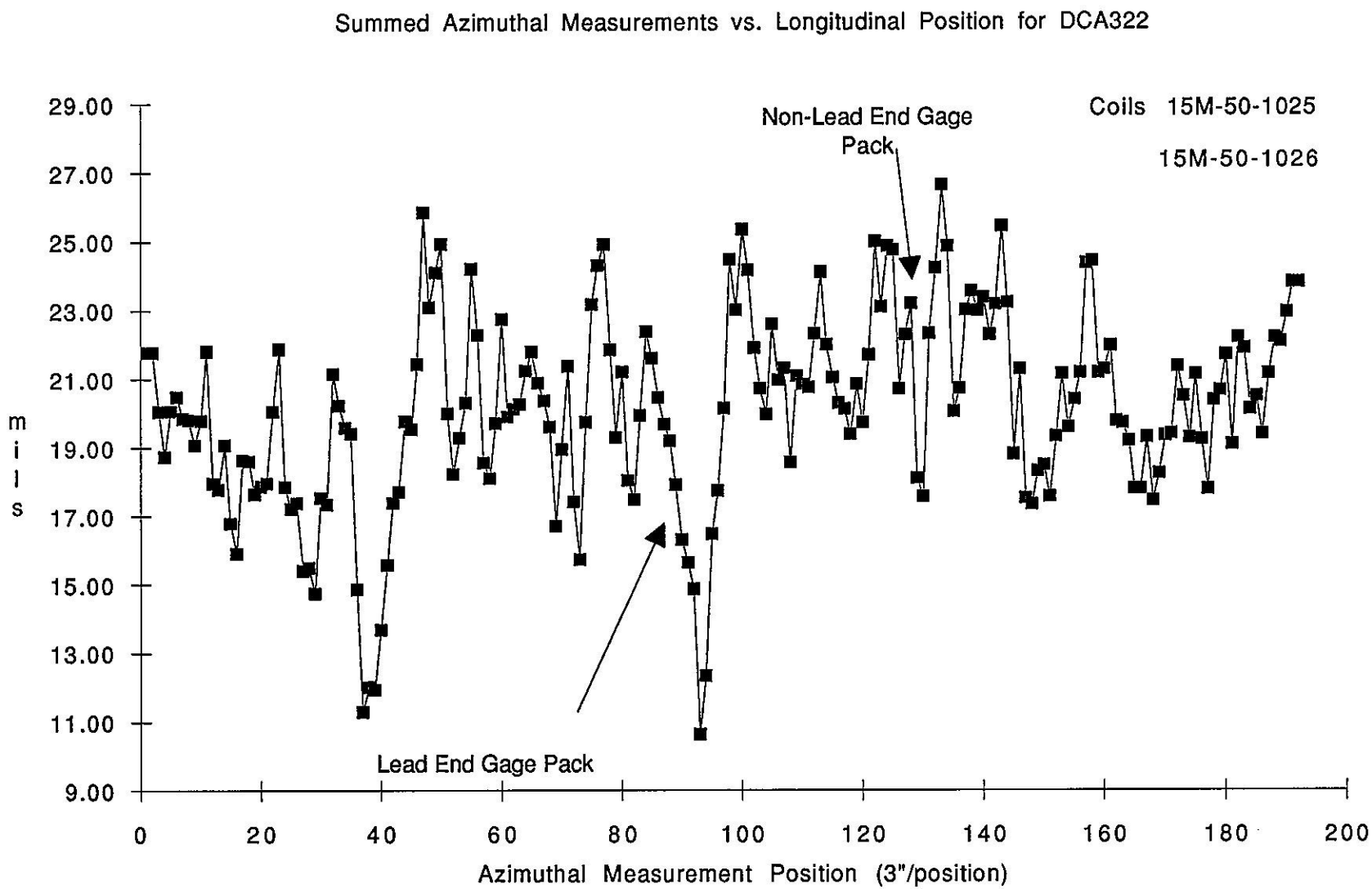
Since the collared coil assembly is already keyed, this information is being provided to help in making the decision as to whether the assembly should be taken apart for repositioning of the strain gauge packs.

Wayne Koska
4-24-92



Specification for Gage Pack Locations in
DCA322

Figure 1


Summed Azimuthal Measurements vs. Longitudinal Position for DCA322
Coils 15M-50-1025
15M-50-1026
Non-Lead End Gage Pack
Lead End Gage Pack
mils
29.00
27.00
25.00
23.00
21.00
19.00
17.00
15.00
13.00
11.00
9.00
0
20
40
60
80
100
120
140
160
180
200
Azimuthal Measurement Position (3"/position)