

**Memo to:** Dan Smith

**From:** Wayne Koska

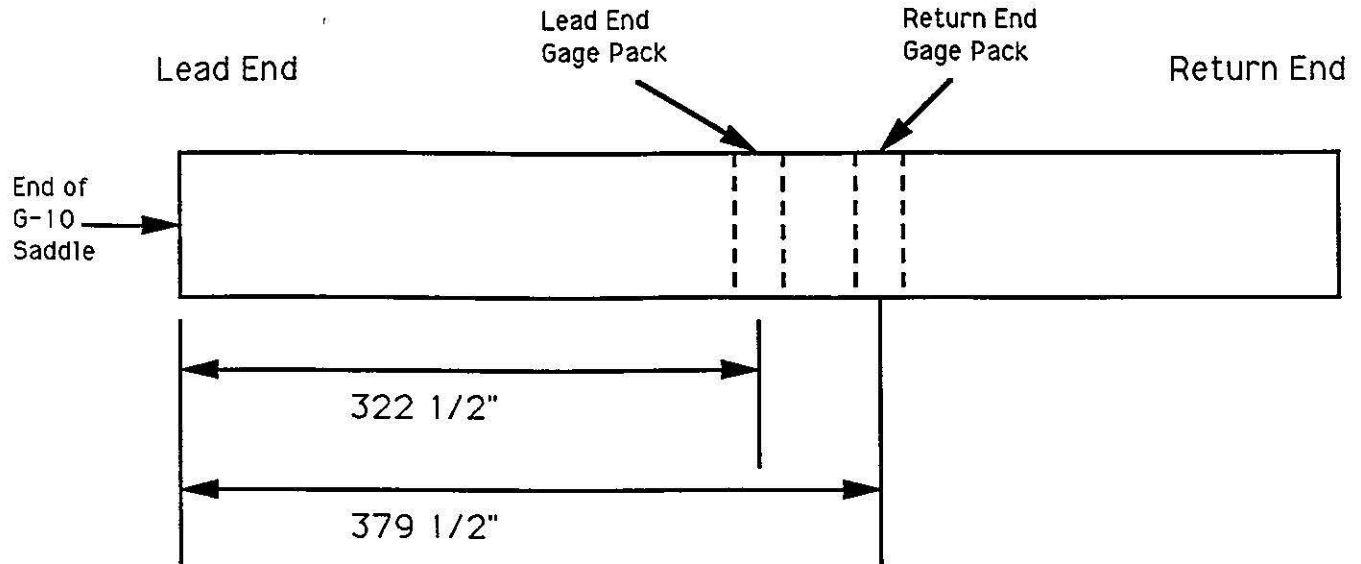
**Subject:** Position of Collar Gage Packs for DC0304

The Collar Gage Packs for DC0304 should be centered  $322 \frac{1}{2} \pm 1 \frac{1}{2}$  and  $379 \frac{1}{2} \pm 1 \frac{1}{2}$  inches from the outside edge of the lead end G-10 saddle (see figure 1).

These two positions correspond to the best estimate of the minimum and maximum of the summed azimuthal size of the two inner coils and are therefore the specified positions for the gage packs<sup>1</sup>. The measurement turn around positions for the two inner coils (1008 and 1011R) were 214-215 and the 213-214, respectively. It is known that the measurements are approximately 0.5 positions ( $1 \frac{1}{2}$ " ) out of phase longitudinally between the two coils. Ignoring this offset, the minimum azimuthal size (4.1 mils) is at position 106 and the maximum azimuthal size (19.9 mils) is at position 125 (see figure 2). These positions correspond to the above stated locations, assuming the starting location of the measurements was the usual 6 inches from the lead end.

[1] W. Koska, Collar Gage Pack Positions for DC0303, TS-SSC 90-087  
11-14-90

Wayne Koska  
11-29-90



Specification for Gage Pack Locations in  
DC0304

Figure 1

# Summed Azimuthal Measurements vs. Longitudinal Position for DC0304

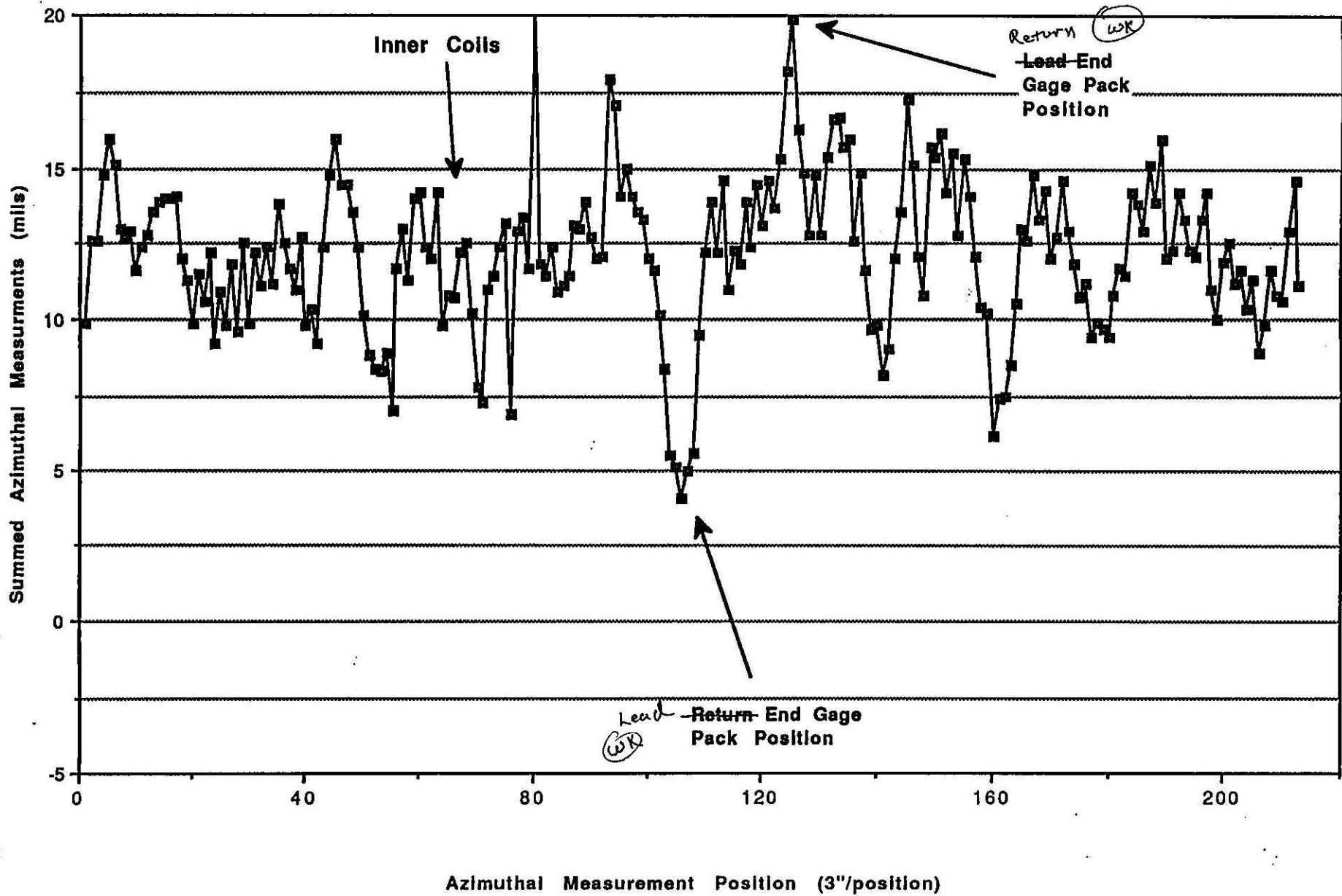


Figure 2