Jefferson Lab Alignment Group

Data Transmittal

TO: W. Kellner		**DATE :** Oct 22, 2002
FROM: J. Dahlberg	**Checked:**	**#** DT_C821

DETAILS:

Below are the results of the SOS rail survey performed on Oct. 21, 2002. Thirteen points along the top rail centerline were used to create an average circle. The sampling of measurements covered a range of approximately 140 degrees and were all to the beam left side of the pivot area.

Ideal target center on pivot:	Z	79611.7059 m
	X	59875.3780 m
Center of circle defined by rail:	Z	79611.7034 m
	X	59875.3740 m

Relative to beam direction, the rail center is downstream 4.4 mm and to the beam left 1.7 mm.

The diameter of the circle defined by the rail is 21.3266 m