



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Kashy

DATE : Mar 19, 2003

FROM: J. Dahlberg

Checked:

DT_B848

DETAILS:

Below are the results of the survey performed on the Hall B PrimeX box beam columns. The measurements are located approximately at the same heights as the foil targets measured during the I-beam survey. In addition to the foil target locations, two additional sets of measurements at the top and 48" down were measured. The horizontal distances (X) to the upstream and downstream inside face of the column are relative to ideal beam centerline. The distances along beam (Z) are to the upstream edge of each column and are relative to the lowest measurement near the bottom foil target. A +Z is downstream and a +X is to the beam left.

BEAM LEFT COLUMN

	X		Z
	upst	dnst	
1(lowest foil)	1520.1	1518.6	0.0
2	1518.9	1517.7	-3.2
3	1519.2	1519.0	-4.7
4	1519.0	1518.9	-5.0
5	1518.8	1518.6	-4.3
6	1518.0	1519.3	-1.7
7	1518.6	1519.6	+2.0
8(top of column)	1519.4	1521.2	+5.5

BEAM RIGHT COLUMN

	X		Z
	upst	dnst	
1(lowest foil)	-1540.5	-1542.9	0.0
2	-1540.6	-1542.6	+2.2
3	-1541.7	-1542.4	+2.2
4	-1541.0	-1541.6	0.0
5	-1541.0	-1541.3	-5.1
6	-1542.0	-1541.9	-13.0
7	-1545.2	-1544.5	-20.5
8(top of column)	-1548.7	-1547.8	-27.3