Jefferson Lab Alignment Group
DATA TRANSMITTAL

TO: Dave Kashy **DATE:** 29 Mar, 2000

FROM: Jim Dahlberg **Checked:** # 587

DETAILS:

Below are the results of the survey performed on the Hall B double cell target located in the EEL building. Because of the difficulty accessing the upstream target cone and probing the fragile surfaces, the accuracy is estimated to be + - 0.30mm (also based on repeatability between two separate surveys). The coordinates are relative to a line formed between the upstream end of the machined area of the 10" tube and the 12" flange, both located on the main support structure. The location of the downstream end of the target assembly was pro-rated from the upstream measurements on the 16.7mm target because of the inability to probe the fragile surface. Given the pro-rated value of 5 times the length of the 16.7mm target, the accuracy of the downstream end is lower than + - .30mm. A negative X value is to the beam right, and a positive Y value is high. The units are in millimeters.

LOCATION	X	Y
Upst target cone	-0.35	+0.50
Dnst target cone	-0.07	+0.32
Upst end of 16.7mm tgt.	-0.11	+0.24
Dnst end of 16.7mm tgt.	-0.39	+0.39
Dnst end of target assembly	-1.70	+1.20