Jefferson Lab Alignment Group
Data Transmittal

TO: D.Meekins, J. LeRose, M. Jones		**DATE :** Oct 29, 2002	
FROM: J. Dahlberg	**Checked:**	**#**	DT_A823

Details:

Below are the results of the Hall A target alignment performed on Oct. 18, 2002. The numbers shown are arranged by cell block, and represent the amount the target feature is offset from the ideal beam centerline collision point. The coordinates were determined by projecting the upstream and downstream flange centerlines to the corresponding cell window. The location of the target center was determined by projecting the downstream flange an ideal distance of 81.90 mm downstream. This gives the center location of the outside target cell at the collision point. A negative X is to the beam right, positive Y is above, and positive Z is downstream. The values on the bottom solid target holder are to the upstream face at random points to determine the pitch and yaw only.

Target		Del Z	Del X	Del Y
1(top)	Upst window	-18.93	0.06	-3.23
	Dnst window	21.36	0.35	-3.29
	Center	1.37	0.23	-3.28
2	Upst window	-73.66	-0.30	-3.06
	Dnst window	76.30	1.08	-3.13
	Center	1.29	0.59	-3.17
3	Upst window	-18.49	-0.46	-0.17
	Dnst window	21.22	0.10	-0.07
	Center	1.23	0.03	-0.06
4	Upst window	-73.55	-0.30	0.11
	Dnst window	76.43	0.64	0.13
	Center	1.42	0.21	0.03
1(top)	Upst window repeat.	-18.98	0.07	-3.27
5 (no data)				
6 (no data)				
7 (no data)				
8 (solid tgt frame)	Top br	0.10	-39.63	70.25
	Top bl	-1.01	46.57	70.44
	Bot bl	-0.26	45.96	-78.52
	Bot br	0.80	-36.48	-78.90