

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Charles Sinclair, Matt Poelker

DATE: Feb. 21, 2001

FROM: Jim Dahlberg

Checked: # L654

DETAILS:

Below are the results from the recent survey performed on the accelerator chopper cavities. This was an as-found survey only and no adjustments were made to the components. The X and Y values reflect the relative change from the previous survey performed on Jan. 15, 1998. The Z values are relative differences between the four corners of C1 and C2 taken prior to removal. It should be noted that C-clamps holding down the girder between C1 and C2 during the Z measurements were absent during the final survey. This may account for the change in distance between the top corners and may also have affected the position relative to the 1998 survey. If required, a more thorough survey/alignment can be performed in the future. Negative Y values are low and a negative X values are to the beam right looking downstream. The values are in millimeters.

C1	X	- 0.16	
	Y	+0.80	
CA	X	+0.24	
	Y	+1.13	
C2	X	+0.08	
	Y	+1.03	
	Top beam right Z.	+0.42	
	Bot. beam right Z.	0.00	
	Top beam left Z.	+0.37	
	Bot. beam left Z.	+0.03	