Jefferson Lab Alignment Group DATA TRANSMITTAL

TO: Steve Lassiter		DATE: 10 March, 2000	
FROM: Kelly Tremblay		Checked:	#: 581
DETAILS:			
A survey of the Hall C GZero C 2 nd and 3 rd , 2000. The results	Octant # 3 de are as follow	tector support was carried ou 's :	it on March
1) Deletienskie of the newsiant	to the op op	astructed plate hales (in a 2 a	holonor
 Relationship of the nominal position) is shown on page 2/3 to 3 held nominal positions and differences. A summary of the deviation is shown below (mm 	of this trans d a comparis e rms error (fo	mittal. The surveyed data wa ion of coordinates was used	as transformed to derive the
position) is shown on page 2/3 to 3 held nominal positions and differences. A summary of the deviation is shown below (mm <u>Beam Right Data</u>	of this trans d a comparis e rms error (fo)).	mittal. The surveyed data wa ion of coordinates was used or x/y) for each plate, plus the <u>Beam Left Data</u>	as transformed to derive the e standard
position) is shown on page 2/3 to 3 held nominal positions and differences. A summary of the deviation is shown below (mm	of this trans d a comparis e rms error (fo	mittal. The surveyed data wa ion of coordinates was used or x/y) for each plate, plus the	as transformed to derive the
position) is shown on page 2/3 to 3 held nominal positions and differences. A summary of the deviation is shown below (mm <u>Beam Right Data</u> standard dev w/o extension	of this trans d a comparis e rms error (fo l). 0.031	mittal. The surveyed data wa ion of coordinates was used or x/y) for each plate, plus the <u>Beam Left Data</u> stdev w/o extension	as transformed to derive the e standard 0.028

2) The angles formed by the beam left and right plates was found to be at 36.097°. The nominal angle is 36° .

3) The offset relationship between hole locations on the plates is shown for each pair of points on page 4 to 6 of this report. The data shows the as-found transformed coordinates (mm), the nominal coordinates, the deltas between individual coordinates and the delta between the cross distances. Cross distance is defined as the distance between the beam left plate holes to it's counterpart on the beam right plate. A negative delta cross distance indicates that the as-found distance is less than the nominal distance.