



Jefferson Lab Alignment Group

Data Transmittal

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DATE: 07 Mar 2008

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Checked: cjc

: C1159

DETAILS:

Data: Fiduc\BSY\Superharp\080214A, Step2B\BSY\BSY4\080303A

Below are the results from the BSY 3C07a and 3C07b harp survey performed on March 3, 2008. The encoder values were recorded with the wires centered on the harp cross assembly and therefore, corrections for the offsets below from the ideal beam centerline should be applied. A +X value (in millimeters) indicates the harp is to the beam left from ideal and a +Y is above.

HARP/BPM	X offset	Y offset
IHA3C07A	-0.03	0.04
IHA3C07BPM	0.17	-0.29
IHA3C07B	0.08	-0.47

ENCODER VALUES 3C07A (#7)

VACUUM SIMULATOR LOC.	HARP WIRE	ENCODER	NOTE
Top	Bottom vertical	6899	
Side	Bottom vertical	681E	
Side	Middle horizontal	AO1D	
Top	Middle horizontal	9FCD	
Top	Top vertical	DE64	
Side	Top vertical	DE3B	
Top	Bottom vertical	6897	repeat
Top	Middle horizontal	9FE1	repeat
Top	Top vertical	DE98	repeat

ENCODER VALUES 3C07B (#8)

VACUUM SIMULATOR LOC.	HARP WIRE	ENCODER	NOTE
Top	Bottom vertical	66B3	
Side	Bottom vertical	6670	
Side	Middle horizontal	9EBE	
Top	Middle horizontal	9E8F	
Top	Top vertical	DC72	wire bent
Side	Top vertical	DC24	wire bent
Side	Top vertical	DC47	above and below bend
Top	Bottom vertical	66AE	repeat
Top	Middle horizontal	9EA3	repeat
Top	Top vertical	DC5D	repeat