

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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Checked: # 566

DETAILS:

Below are the results from the recent survey performed on the super harps located in line C at 3C12. Super harp SH11 (upstream) was replaced with SH14, and SH12 (downstream) was replaced with SH13. The values represent the location of the wire/harp relative to the ideal beam centerline when the encoder value is set. The results are given in this form since the accumulation of error from two change outs and the elapsed time between the current surveys prevents us from determining an accurate relationship relative to the original harps (SH01 and SH02).

SH14	LOCATION	ENCODER
Horizontal wire	Low 2.51 mm	A351
1 st vertical wire (drive retracted)	Beam left 0.62 mm	54D5
2 nd vertical wire (drive extended)	Beam left 0.62 mm	D0AB
SH13	LOCATION	ENCODER
Horizontal wire	Low 0.25 mm	A2CF
1 st vertical wire (drive retracted)	Beam right 0.28 mm	62CB
2 nd vertical wire (drive extended)	Beam right 0.28 mm	DC14