

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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Checked: # 557

DETAILS:

Below are the results from the recent survey performed on the super harp bench located in line C at 3C17. Super harp SH05 (upstream) was replaced with SH09, and SH06 (downstream) was replaced with SH10. The values represent the current location of the wire/harp relative to the previous location of the wire/harp when the encoder value is set. The values below are the result of actual survey measurements. Based on the accumulative error from fiducialization and the change out survey, the accuracy of the results are + - 0.10 mm.

SH09	LOCATION	ENCODER
Horizontal wire	Low 0.11 mm	A52B
1 st vertical wire (drive retracted)	Beam left 0.10 mm	57C2
2 nd vertical wire (drive extended)	Beam left 0.10 mm	D332
SH10	LOCATION	ENCODER
Horizontal wire	Low 0.06 mm	A8F7
1 st vertical wire (drive retracted)	Beam right 0.13 mm	5F99
2 nd vertical wire (drive extended)	Beam right 0.13 mm	D7AD