



# Jefferson Lab Alignment Group

## Data Transmittal

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**DATE:** 07 Mar 2017

**FROM:** J. Dahlberg

**Checked:**

**# :** C1780

**DETAILS:**

Data, Step 2b\BSY\3C\_12\170203a

Listed below are the positions of the Hall C harps and BPM's located on the super harp girder just upstream of the target can. Values are in millimeters and relative to ideal hall C target along beam center. Note that ideal beam center Y location has been lowered 2.5mm to 2099.9975 M. The upstream and downstream flanges are listed for each BPM. A – X value is to the beam right as you look downstream.

LOCATION	Z	X	Y
IHA3H07A	-2953.68	-2.88	-0.13
IHA3H07B	-1545.80	-3.07	-0.04
IPM3H07Aus	-3300.61	-2.87	-0.28
IPM3H07Ads	-3107.76	-2.81	-0.14
IPM3H07Bus	-2343.42	-2.85	-0.13
IPM3H07Bds	-2153.76	-2.91	-0.27
IPM3H07Cus	-1393.66	-3.22	0.04
IPM3H07Cds	-1195.17	-3.31	0.05

**SUPER HARP ENCODER VALUES (repeats are shown)**

3H07A: Outer vertical wire (harp retracted)	4759, 475D, 4753, 475A
Middle horizontal wire	8030, 8028, 8029
Inner vertical wire (harp extended)	BCA5, BCAF, BCAE, BCAF
3H07B: Outer vertical wire (harp retracted)	3E9E, 3E9E, 3E9C, 3E9F
Middle horizontal wire	803B, 8027, 8032, 8030
Inner vertical wire (harp extended)	B8DF, B8DE, B8D6, B8D5, B8C0, B8CB, B8C0, B8CA, B8C9,