Jefferson Lab Alignment Group

Data Transmittal

TO: D. Gaskell, G.Smith, N. Okay, J. Benesch, Y. Wang, J Grames	**DATE:** 13 Mar 2006	
FROM: Kelly Tremblay	**Checked:** JCD	**# :** C1048

DETAILS:

data: m:\align\data\step2b\bsy\bsy9c\060313a

Below are the results for the final survey of the line C components on the superharp, Halo and GZero girders, prior to running the GZero Backwards Angle experiment. The surveys were carried out March 10th and 13th, 2006.

The delta dx, and dy are in the beam following coordinate system (bfs) with units in millimeters. A +x value has is to the beam left and +y being higher than ideal. The horizontal distance to the hall center is also shown in meters with a negative value being upstream, and a positive downstream of the center.

Component	Dist Hall Center (m)	dx (mm)	Harp Encoder	dy (mm)	Harp Encoder
IPM3H00H	-3.254	-0.11		0.40	
IHA3H00	-3.010	-0.02	(653A)	0.16	(A70B)
IPM3H00AA	-2.307	-0.48		0.22	
IPM3H00B	-2.045	0.26		0.19	
ITV3H00	-1.813	-0.01		0.19	
IHA3H00A	-1.600	-0.02	(6B38,E100)	0.47	(9DF4)
IPM3H00C	-1.342	-0.18		0.59	
Flange	8.688	-6.0		0.5	
IHM3HG0	10.725	0.43		0.11	
IBC3HG0Z	12.230	0.59		-0.13	
IPM3HG0A	13.206	0.29		-0.17	
IHA3HG0	13.461	0.04	(65C8,DEE8)	0.03	(9D4D)
IOR3HG0	15.264	2.37		-1.55	
IHA3HG0A	15.505	-0.12	(7E5E,F2BA)	0.86	(ABFA)
IPM3HG0B	15.755	-0.23		0.01	
Flange	16.093	-2.06		-3.88	

Halo Monitor IHM3HG0 encoder values are shown below:

6.03Ø : 5.831 Ω : 10.88 Ø : 4.206 Ω