



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Wood, M. Jones, D. Meekins, N. Okay

DATE: 30 Oct 2007

FROM: J. Dahlberg

Checked: KJT

: C1134

DETAILS:

Data: Step2b\bsy\bsy9c\071009a
 Step 2b\HallC\beampipe\071009b
 Step2b\HallC\target\071004a
 Step2b\HallC\tgtcan\071003a

Below are the results of the recent survey performed on Line C beam line and Hall C target cells. A +X is beam left from ideal, a +Y is above, and a +Z is downstream. A +pitch is counter clockwise looking from the beam right, and a +yaw is ccw from above. Values are in millimeters and degrees.

COMPONENT	Z	X	Y	Yaw	Pitch
Fast raster:					
Upst end		-0.2	0.4		
Dnst end		-0.8	-0.7		
Slow raster:					
Dnst end		0.0	-0.8		
Upst BPM'S:					
IPM3C20		-0.7	-0.4		
IPM3H00		-0.5	-0.4		
Pivot girder:					
IPM3H00A		-0.1	-0.4		
IHA3H00		0.0	-0.5		
IPM3H00B		-0.2	-0.5		
IPM3H00BB		0.3	-0.3		
ITV3H00		-0.2	-0.4		
IHA3H00A		-0.1	-0.2		
IPM3H00C		0.3	-0.4		
VBV3H00B		0.6	-1.4		
Target cells:					
L1 Top cell	0.1	0.8	-0.3	0.27°	-0.07°
L1 Bot. cell	-0.2	0.5	-0.6	0.16°	-0.18°
L2 Top cell	0.3	-0.2	-0.3	0.08°	-0.11°
L2 Bot cell	0.2	0.3	-0.1	0.11°	-0.07°
L3Top cell	0.4	0.1	-0.8	0.21°	-0.23°
L3Bot cell	0.4	1.0	-0.4	0.40°	-0.09°
Solid target ladder:					
BeO target	0.9	1.2	0.1	0.28°	-0.27°