Jefferson Lab Alignment Group
DATA TRANSMITTAL

TO: J. Benesch, M. Spata, R. Ent, R. Carlini **DATE:** August 22, 2002

FROM: J. Dahlberg **Checked:** **# :** C802

DETAILS:

Below are the results of the recent survey of the Line C components installed for the G0 commissioning run. The values are relative to ideal location (in mm), with +X to the beam left, +Y above, and +Z downstream. The X and Y position of the target is based on the alignment performed while looking down the beam centerline after the service module was installed. The Z value is based on the target location relative to the service module prior to installation and the as-set position of the service module. The super harp positions are only valid when the corresponding encoder value is set for the vertical wire (X), and the horizontal wire (Y). Note that IHA3H00A has a second vertical wire.

COMPONENT	X		Y		Z
IHA3C20	-0.72		1.68		
IPM3C20	0.08		-0.30		
IPM3C20AH	3.93		-0.04		
IPM3C20AV	0.00		3.96		
IBC3C20	0.08		-0.05		
IPM3C20A	-0.42		0.04		
IPM3H00	0.14		-0.04		
IPM3H00A	-0.10		0.06		
IHA3H00	0.00	(653B)	-0.05	(A70B)	
IPM3H00AA	-0.25		-0.13		
IPM3H00B	0.15		0.16		
IHA3H00A	0.04	(6B38, E100)	0.03	(D9F4)	
IPM3H00C	0.24		0.17		
IPM3HG0	-0.04		-0.02		
IHA3HG0	-0.08	(5961)	-0.04	(B084)	
IPM3HG0AH	3.93		-0.13		
IPM3HG0AV	-0.16		3.90		
IBC3HG0	-0.24		-0.06		
IHA3HG0A	0.02	(5591)	0.01	(B636)	
IPM3HG0B	-0.08		0.03		
TARGET	-0.26		0.14		-7.50 (Warm)
SMS	-0.07		-0.39		0.89
FERRIS WHEEL	0.00		0.08		0.35

Upstream end of IPM3H00B (timing BPM), to target center when warm: 17.7339 M