Jefferson Lab Alignment Group DATA TRANSMITTAL

Phil Adderly		DATE: April 1, 2002		
DM: James Dahlberg			Checked:	# L752
TAILS:				
Below are the results o Included are the results performed prior to insta value to the beam left a and offsets are <u>not</u> take	s from the pre- allation. All me and a +Y value	alignment and easurements a e high. The pre	vacuum motion cl re in millimeters w e-alignment vacuu	hecks ith a +X
AS INSTALLED RELA	TIVE TO IDE	AL BEAM CEN	ITERLINE	
COMPONENT	Х	Y		
Upstream BPM Aperture 1 assembly Middle BPM Aperture 2 assembly Downstream BPM PRE - ALIGNMENT COMPONENT	-0.02 +0.16 -0.29 -0.57 -0.08	-0.72 -0.87 -0.96 -0.51 +0.47	CALIPER RE	EF.
A1 small hole A1 med. hole A1 large hole	0.00 0.00 0.00	-0.18 -0.11 +0.26	20.86 30.83 40.90	
The vacuum effect shif + 0.62 (up) relative to t flanges reduced the ca	he assembly.	The vacuum e		
COMPONENT	х	Y	CALIPER RE	F.
A2 small hole A2 med. hole A2 large hole	+0.49 +1.07 +0.63	0.00 0.00 0.00	19.86 29.79 39.86	
The vacuum effect shif				ht) and