

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Robby Hicks

DATE: Sept. 20, 2001

FROM: Jim Dahlberg

Checked: # : L702

DETAILS:

Listed below are the results of the 0R02 SLM vacuum chamber measurements. A right-handed coordinate system was used with +X to the beam left, +Y above centerline, and +Z downstream. The coordinate system is centered on the 24" long tube which has the view port attached. The distances are in millimeters, and the angular values are in decimal degrees.

LOCATION	X	Y	Z	ANGLE
Upstream flange.	-13.54	-0.59	-822.70	
Upstream rectangular flange.	-5.24	+0.62		
Downstream rectangular flange.	-1.17	+0.56		
Upstream 5" dia. tube.	0.00	0.00	-304.02	
Bottom view port.	-0.09	-111.10	-113.93	
Downstream 5" dia. tube.	0.00	0.00	304.02	
Downstream beam left flange.	31.70	-0.27		1.74
Downstream beam right flange.	-40.13	-0.38	534.56	-2.26
Inside distance between flanges on upstream section.			144.92	
Angle between upstream and downstream flanges.				5.07