



Jefferson Lab Alignment Group

Data Transmittal

TO: A. Guerra, R. Wolfley

DATE: 06 Oct 2005

FROM: J. Dahlberg

Checked:

#: C1012

DETAILS:

M:\align\inspection\HallC\cryocans\051005a

Given below (drawings attached) are the results from the Hall C cryogen tank survey performed on Oct 5, 2005. A beam following coordinate system was established relative to the Hall C pivot center line with +Z downstream, a +X to the beam left, and a + Y up. Values are in millimeters. All measurements on the tanks and cylindrical support tubes are to the center line of the measured circle with the diameter included. The bottom measurements on tanks 2 and 3 are to the top of the supporting base plate as shown in the attached drawing. Accuracy is +/- 2 mm.

LOCATION	Z	X	Y	DIA
TOP TANK1	-3162	-428	4611	610
BOT TANK1	-3154	-430	3923	616
TANK 1 SUPPORT TOP	-3277	-542	3594	169
TANK 1 SUPPORT BOT	-3571	-746	3028	169
TOP TANK 2	-4225	-1156	4568	915
BOT TANK 2	-4228	-1170	3167	913
TANK 2 FEED TUBE DOWNSTREAM	-4771	-1438	4223	220
TANK 2 FEED TUBE UPSTREAM	-7455	-2780	4325	220
TANK 2 SUPPORT TOP	-4245	-1213	2641	220
TANK 2 SUPPORT BOT	-4237	-1159	1556	220
TOP TANK 3	-5575	-1056	5340	913
BOT TANK 3	-5564	-1067	3926	911
TANK 3 FEED TUBE DOWNSTREAM	-6058	-954	4963	220
TANK 3 FEED TUBE UPSTREAM	-7150	-718	4953	220
TANK 3 POST BOT	-5574	-1070	1867	220
TANK 3 POST TOP	-5570	-1066	3359	220
PLATE 1 POST TOP	-4961	-400	4134	169
PLATE 1 POST BOT	-4613	-780	2857	169
PLATE 1 CORNER A	-5042	-645	4402	
PLATE 1 CORNER B	-5366	-325	4404	
PLATE 1 CORNER C	-5039	5	4397	
PLATE 1 CORNER D	-4717	-315	4395	
PLATE 2 POST TOP	-6495	-1268	4271	180
PLATE 2 POST BOT	-5812	-1124	2241	180
PLATE 2 CORNER A	-6272	-1472	4404	
PLATE 2 CORNER B	-6724	-1532	4372	
PLATE 2 CORNER C	-6785	-1078	4376	
PLATE 2 CORNER D	-6332	-1019	4408	
MOUNTING SLOT SUPPORT TOP	-3519	-1469	3739	219
MOUNTING SLOT SUPPORT BOT	-3521	-1470	3004	219
MOUNTING SLOT BASE PLATE CORN'R	-3532	-1215	3874	
MOUNTING SLOT CORNER 1	-3466	-1371	4322	
MOUNTING SLOT CORNER 2	-3466	-1372	3980	
MOUNTING SLOT CORNER 3	-3410	-1438	3981	
MOUNTING SLOT CORNER 4	-3410	-1437	4324	
DOWNSTREAM POST TOP	-2650	-1249	3076	218
DOWNSTREAM POST BOT	-2651	-1250	2627	218
SUPERSTRUCTURE TOP	-5456	-2710	2491	
SUPERSTRUCTURE BOT	-5115	-2712	-264	