



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Preble

DATE: 03 Oct 2005

FROM: J. Dahlberg

Checked:

#: M1011

DETAILS:

Below are the results from the survey performed on the Test Lab cryomodule assembly piers and transport rails. A separate, gravity based-right handed coordinate system was established for each bay, centered on the piers. A +X is towards piers 1-2, and 5-6, a +Z is towards piers 2-3, and 6-7, and a +Y is up. Rail locations were measured roughly every 600 millimeters as indicated by the Z values.

WEST SIDE

PIER	Z	X	Y	PIER	Z	X	Y
TH1	-4997.67	927.31	0.03	TH3	4993.94	-927.22	0.00
TH2	4993.05	927.22	-0.05	TH4	-4989.32	-927.31	0.03

RAIL	Z	X	Y	RAIL	Z	X	Y
1-2	-5169.31	432.20	-825.28	3-4	-5169.00	-431.66	-825.14
1-2	-4567.74	432.25	-825.36	3-4	-4570.90	-431.61	-825.17
1-2	-3356.08	432.30	-825.46	3-4	-3352.81	-431.42	-825.19
1-2	-2133.22	432.44	-825.35	3-4	-2132.08	-431.35	-825.31
1-2	-914.80	432.47	-825.70	3-4	-917.24	-431.24	-825.43
1-2	303.71	432.28	-825.45	3-4	302.28	-431.42	-825.45
1-2	1524.58	432.48	-825.32	3-4	1515.60	-431.25	-825.34
1-2	2737.18	432.38	-825.45	3-4	2744.30	-431.28	-825.37
1-2	3934.26	432.20	-825.24	3-4	3958.21	-431.50	-825.23
1-2	5168.51	431.86	-825.23	3-4	5167.17	-431.63	-825.19

EAST SIDE

PIER	Z	X	Y	PIER	Z	X	Y
TH5	-4991.84	927.33	0.05	TH7	4993.57	-927.26	0.05
TH6	4979.02	927.26	0.02	TH8	-4980.76	-927.33	-0.12

RAIL	Z	X	Y	RAIL	Z	X	Y
5-6	5166.56	432.51	-825.36	7-8	5165.59	-431.32	-825.38
5-6	3960.13	432.24	-825.31	7-8	3655.22	-431.45	-825.29
5-6	2739.59	432.39	-825.29	7-8	2737.02	-431.33	-825.20
5-6	1521.44	432.17	-825.30	7-8	1520.95	-431.33	-825.17
5-6	301.09	432.50	-825.30	7-8	299.62	-431.16	-825.31
5-6	-918.64	432.10	-825.45	7-8	-919.86	-431.68	-825.49
5-6	-2136.97	432.18	-825.38	7-8	-2137.11	-431.59	-825.40
5-6	-3356.06	431.82	-825.22	7-8	-3357.39	-431.78	-825.25
5-6	-4575.89	432.04	-825.08	7-8	-4575.65	-431.68	-825.17
5-6	-5171.24	431.76	-824.91	7-8	-5170.72	-432.04	-824.74