



Jefferson Lab Alignment Group

Data Transmittal

TO: Bert Metzger

DATE: 17 Oct 2005

FROM: Richard Schwartz

Checked:

: C1015

DETAILS:

Files: m:\data\inspection\hallc\G0 back\051017a

Below are the results of the G0 Ferris wheel (backwards) support arm inspection survey performed on October 14th, 2005. The coordinate values are relative to the Ferris wheel center line based on previously surveyed fiducial points. The eight bolt holes around the downstream ring were located, and an alignment of the center hole on the downstream plate was carried out. The values are in millimeters, in a right handed system with +Z being downstream, +X to the beam left and +Y up.

POINT	Z	X	Y	POINT	Z	X	Y
BH1	759.48	0.28	725.74	L6P1	695.54	-1819.78	-796.51
BH2	759.47	511.88	513.37	L6P2	736.81	-1845.08	-761.59
BH3	759.46	723.97	1.45	L6P3	703.99	-1854.97	-729.28
BH4	759.38	511.91	-510.47	L6P4	705.09	-2334.02	-1010.87
BH5	759.23	0.21	-722.82	L6P5	743.59	-2343.81	-969.47
BH6	759.25	-511.50	-510.22	L6P6	704.18	-2354.05	-937.19
BH7	759.36	-723.68	1.74	L7P1	704.85	-1850.20	724.10
BH8	759.50	-511.58	513.72	L7P2	738.79	-1845.93	762.60
L1P1	700.94	719.88	1863.74	L7P3	706.61	-1828.66	796.65
L1P2	731.95	755.08	1849.69	L7P4	706.64	-2354.71	932.67
L1P3	704.48	791.05	1838.91	L7P5	747.76	-2347.21	970.90
L1P4	707.31	927.74	2367.29	L7P6	708.62	-2326.64	1002.62
L1P5	738.24	958.62	2346.02	L8P1	702.13	-799.70	1821.95
L1P6	709.49	996.80	2336.77	L8P2	736.68	-770.05	1842.00
L2P1	706.02	1828.54	803.16	L8P3	705.54	-733.35	1858.31
L2P2	737.41	1844.16	770.60	L8P4	708.39	-1006.24	2317.59
L2P3	704.29	1857.62	733.13	L8P5	744.65	-974.59	2341.24
L2P4	712.23	2328.94	1012.05	L8P6	704.42	-939.81	2353.93
L2P5	745.21	2338.93	977.48	CtrHole	764.48	0.40	0.85
L2P6	707.56	2359.55	942.62				
L3P1	706.92	1858.96	-723.81				
L3P2	736.84	1849.16	-757.26				
L3P3	706.55	1837.86	-796.76				
L3P4	707.50	2361.85	-933.16				
L3P5	745.46	2346.10	-961.78				
L3P6	714.20	2332.11	-1002.65				
L4P1	696.92	796.75	-1827.28				
L4P2	734.42	764.82	-1842.75				
L4P3	706.27	728.41	-1859.30				
L4P4	699.30	1004.13	-2326.45				
L4P5	742.37	972.56	-2336.81				
L4P6	704.89	940.59	-2370.34				
L5P1	694.36	-728.90	-1861.01				
L5P2	733.21	-762.32	-1844.63				
L5P3	699.59	-934.24	-2357.46				
L5P4	698.21	-934.59	-2358.28				
L5P5	739.59	-967.27	-2345.41				
L5P6	699.02	-1003.64	-2327.64				