



Jefferson Lab Alignment Group

Data Transmittal

TO: K. Baggett

DATE: 05 Nov 2007

FROM: J. Dahlberg

Checked: CJC

: M1138

DETAILS:

Data: Inspection\testlab\071102a

Listed below are the results from the survey performed on the multi-pole magnetic measurement bench located in the test lab. The coordinate system was established using the two ends of the probe mount to fix the Z axis. The top of the surface plate was used to set rotation about the Z axis. Looking from the motor end (origin), a +X is to the left, and a +Y is up. Values are in millimeters.

LOCATION	Z	X	Y
CIRCLE_US	0.00	0.00	0.00
CIRCLE_DS	2118.65	0.00	0.00
POINT_BR_ROLL	7.90	-238.82	-378.11
POINT_BL_ROLL	51.51	436.34	-378.11
CIRCLE_MID	1276.40	0.04	-0.05
COMPNT_TT1	-3.40	-234.33	-381.12
COMPNT_TT2	21.18	455.89	-381.11
COMPNT_TT3	1135.21	-210.56	-381.11
COMPNT_TT4	2025.89	-236.90	-381.09
COMPNT_TT5	1012.80	594.98	-381.11
COMPNT_TT6	1860.72	488.75	-381.06
PLANE_TT	1008.73	142.97	-381.10
COMPNT_RAILX1	93.81	208.13	-319.29
COMPNT_RAILX2	91.78	208.12	-340.73
COMPNT_RAILX3	800.86	208.06	-318.53
COMPNT_RAILX4	796.17	208.06	-346.48
COMPNT_RAILX5	1933.28	207.96	-323.62
COMPNT_RAILX6	1936.92	207.93	-345.05
PLANE_RAILX	942.14	208.04	-332.28
POINT_SPMAGBRUSTOP	1585.38	-95.71	101.36
POINT_SPMAGBRDSTOP	1880.07	-95.67	101.52
POINT_SPMAGBRUSBOT	1584.78	-95.63	-101.54
POINT_SPMAGBRDSBOT	1881.68	-95.68	-101.30
POINT_SPMAGBLUSTOP	1587.03	94.97	101.36
POINT_SPMAGBLDSTOP	1880.25	95.02	101.41
POINT_SPMAGBLUSBOT	1582.49	95.01	-101.67
POINT_SPMAGBLDSBOT	1878.35	94.93	-101.31
POINT_LP1BRY	334.43	-108.61	-89.31
POINT_LP1BLUSY	273.90	108.12	-89.27
POINT_LP1BLDSY	392.75	109.28	-89.27
POINT_LP1BRX	335.13	-96.52	-95.91
POINT_LP1BLUSX	268.67	95.10	-93.04
POINT_LP1BLDSX	393.07	95.12	-92.83

**Jefferson Lab Alignment Group Data Transmittal
Continued**

Page 2 of 2

Date : 05 Nov 2007

Transmittal # : M1138

LOCATION	Z	X	Y
POINT_LP2BRY	945.88	-107.03	-89.30
POINT_LP2BLUSY	884.48	104.12	-89.22
POINT_LP2BLDSY	1003.37	108.43	-89.12
POINT_LP2BRX	944.57	-97.03	-94.86
POINT_LP2BLUSX	884.58	95.50	-92.73
POINT_LP2BLDSX	1004.61	95.43	-93.50
POINT_LP2FBRUSX	918.90	-93.25	-97.99
POINT_LP2FBRDSX	971.56	-93.34	-95.34
PLANE_SPMAGTOPY	1733.18	-0.35	101.41
PLANE_SPMAGBOTY	1731.83	-0.34	-101.45
PLANE_SPMAGBR	1732.98	-95.67	0.01
PLANE_SPMAGBL	1732.03	94.98	-0.05
POINT_SPMAGCL	1732.50	-0.34	-0.02