



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Gomez, J. LeRose

DATE: 18 Jan 2007

FROM: Chris Curtis

Checked:

: A1092

DETAILS:

Below are the coordinates of the three new link points measured during the spectrometer surveys carried out between 8th and 11th of January, 2007. These coordinates are in millimeters relative to the Hall A target and beamline, with +Z along the beam, +X to the beam left, and +Y up. The horizontal offset from each point to a line between the ideal target and the spectrometer Jack point is also shown.

E010807A	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	8169.10	2189.70	-1.44	0.00
ESPECTX	1123.84	2339.30	-2067.85	1968.57
ESPECTY	5469.17	3142.32	-1987.95	1619.17
ESPECTZ	5675.51	449.91	-1966.01	-1034.86

E010907A	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	5981.70	5979.17	-1.50	0.00
ESPECTX	-195.26	2588.01	-2067.23	1968.43
ESPECTY	3167.49	5454.90	-1987.99	1618.74
ESPECTZ	4691.41	3225.77	-1966.06	-1035.17

E010907B	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	4277.59	7296.06	-0.99	0.00
ESPECTX	-842.58	2454.82	-2066.38	1968.44
ESPECTY	1686.90	6078.15	-1986.90	1618.92
ESPECTZ	3724.51	4306.29	-1966.19	-1035.02

E010907C	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	1.52	8457.56	0.04	0.00
ESPECTX	-1968.00	1691.96	-2065.41	1968.30
ESPECTY	-1617.81	6096.90	-1985.63	1618.91
ESPECTZ	1036.04	5598.55	-1965.30	-1035.04

E011007A	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	-4228.22	7325.26	0.76	0.00
ESPECTX	-2550.32	481.14	-2066.16	1968.25
ESPECTY	-4450.30	4470.75	-1985.94	1619.33
ESPECTZ	-1903.00	5366.57	-1964.36	-1034.66

**Jefferson Lab Alignment Group Data Transmittal
Continued**

Page 2 of 2

Date : 18 Jan 2007

Transmittal # : A1092

H010807A	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	8167.77	-2189.03	-1.21	0.00
HSPECTX	882.74	-2269.08	-2547.45	-1963.21
HSPECTY	5672.21	-3193.83	-2507.71	-1616.58
HSPECTZ	5696.34	-441.95	-2470.10	1047.75

H010807B	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	5979.47	-5979.62	-0.36	0.00
HSPECTX	-369.52	-2406.73	-2546.61	-1963.08
HSPECTY	3316.86	-5601.28	-2506.63	-1615.25
HSPECTZ	4712.92	-3229.64	-2469.30	1048.91

H011007A	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	4228.17	-7323.63	0.24	0.00
HSPECTX	-980.08	-2229.09	-2546.31	-1963.30
HSPECTY	1753.96	-6268.91	-2505.61	-1615.40
HSPECTZ	3716.23	-4339.39	-2468.49	1048.73

H011107A	Z (mm)	X (mm)	Y (mm)	Offset (mm)
JACK	1469.53	-8327.41	1.36	0.00
HSPECTX	-1683.58	-1759.43	-2546.21	-1963.73
HSPECTY	-496.39	-6490.67	-2505.19	-1616.81
HSPECTZ	2007.59	-5348.89	-2467.76	1047.49