



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** T. Maruta, N. Nakamura

**DATE:** 17 Jun 2009

**FROM:** J. Dahlberg

**Checked:** kjt

**# :** C1232

**DETAILS:**

Data: Fiduc\HallC\HES\_HKS\HES\Slit\090429a

Below are the results of the HES slit box calibration survey performed on April 29, 2009. The coordinate system (in millimeters), is centered on the HES spectrometer Q1. A +X is to the beam left, a +Z is downstream, and a +Y is up.

LOCATION	Z	X	Y	ENCODER
Sieve center hole	-446.52	0.31	0.01	-20.2728
Sieve top center hole	-446.56	0.46	50.78	-20.2728
Sieve bot center hole	-446.47	0.04	-76.18	-20.2728
Sieve bl center hole	-446.44	95.52	-0.18	-20.2728
Sieve br center hole	-446.61	-94.93	0.31	-20.2728
Top inside edge Lg aperture	-446.42	0.00	-152.42	-20.2728
Sieve center hole	-446.52	0.37	25.27	-45.6023
Sieve bl center hole	-446.42	95.59	25.04	-45.6023
Sieve br center hole	-446.59	-75.81	25.54	-45.6023
Sieve bot center hole	-446.49	0.07	-50.97	-45.6023
Top inside edge Lg aperture	-446.46	0.00	-127.19	-45.6023
Sieve center hole	-446.54	0.40	50.56	-71.0625
Sieve bl center hole	-446.49	57.61	50.55	-71.0625
Sieve br center hole	-446.60	-56.67	50.69	-71.0625
Sieve bot center hole	-446.52	0.14	-25.62	-71.0625
Top inside edge Lg aperture	-446.50	0.00	-101.83	-71.0625
Lg aperture center	-446.47	0.14	-100.23	-174.7840
Bot inside edge Lg aperture	-446.58	0.00	-37.42	-339.7690
Bot inside edge Lg aperture	-446.62	0.00	21.86	-399.9180
Sieve center hole	-446.35	0.27	-20.43	HOME
Sieve top center hole	-446.37	0.47	30.44	HOME
Sieve br center hole	-446.43	-94.83	-20.19	HOME
Sieve bot center hole	-446.33	0.06	-96.53	HOME
Sieve bl center hole	-446.28	95.57	-20.51	HOME
Sieve center hole	-446.37	0.42	-0.02	-20.2740
Sieve top center hole	-446.38	0.58	50.70	-20.2740
Sieve br center hole	-446.45	-94.72	0.00	-20.2740
Sieve bot center hole	-446.35	0.12	-76.40	-20.2740
Sieve bl center hole	-446.29	95.64	-0.34	-20.2740
Top inside edge Lg aperture	-446.32	0.00	-152.57	-20.2740
Bot inside edge Lg aperture	-446.62	0.00	22.28	-399.7780
Sieve center hole	-446.37	0.31	-20.38	HOME
Sieve top center hole rep	-446.39	0.50	30.47	HOME
Sieve br center hole rep	-446.45	-94.92	-20.01	HOME
Sieve bot center hole rep	-446.34	0.06	-96.58	HOME
Sieve bl center hole rep	-446.29	95.56	-20.56	HOME
Top inside edge Lg aperture rep	-446.30	0.00	-172.79	HOME