



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** D. Kashy, N. Okay, S. Suhring, E. Smith

**DATE:** 21 Sep 2006

**FROM:** J. Dahlberg

**Checked:**

**# :** B1077

### DETAILS:

Data: step2a\bsy\bsy8b\060804a, step2b\bsy\bsy8b\060913a  
step2b\hallb\tpe\060919a+\060920a+\060918a,  
step2a\hallb\leg5a\060824a+\060911a

Below are the results from the survey performed during the week of Sept. 18, 2006 for the BCal and TPE run. A + X is beam left from ideal, a + Y is above, and a – Z is upstream from ideal CLAS center. A +pitch is counter clockwise looking from the beam right, a +yaw is ccw from above, and a +roll is cw looking from upstream. Values are in millimeters and degrees.

COMPONENT	Z	X	Y	Pitch	Yaw	Roll
MRB2C03H	-23739.2	+0.36	-0.38	-0.055°	+0.226°	+0.078°
MRB2C03V	-23228.9	-0.26	0.00	+0.124°	+0.158°	+0.489°
Tagger harp	-22738.3	+0.23	-0.05	-0.056°	- 0.031°	
Radiator	-22324.0	-0.06	-0.05	+0.133°	+0.008°	-0.004°
Frascati1	-15138.8	-0.28	-0.02	+0.004°	+0.017°	-0.002°
F1 g10 upst		-0.31				
F1 g10 dnst		-0.64				
Tungsten(upst)	-13415.8	0.24	3.24	+0.060°	-0.009°	-0.235°
Pair Spect.	-12957.1	0.04	-0.05	-0.002°	-0.010°	-0.002°
Frascati2	-10776.8	-0.14	-0.11	+0.009°	-0.040°	-0.024°
F2 g10 upst		+0.60				
F2 g10 dnst		-0.54				
Pb collimator	-10314.4	-0.24	-0.25			
Rad Phi Shield	-9942.8	-2.25	-1.72			
Target BPM	-5692.7	-6.98	-1.99			
Target cell	-0.6	0.02	1.02	+0.020°	-0.005°	-0.014°
Pb bullet (upst)	361.6	-2.80	-0.07	+0.007°	+0.129°	
BPM dnst hall						
(avg. upst face)	12104.2	-0.7	-0.2			